SHARP SERVICE MANUAL

SX3E7GF-575ZB

APLD Auto Program Locate Device

APPS Auto Program Pause System

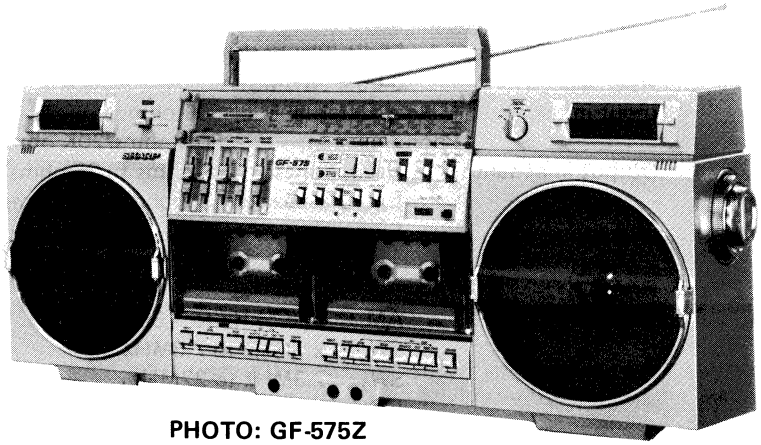

PHOTO: GF-575Z

GF-575Z
GF-575ZB

From this Service Manual, you can see "Tape Speed Adjustment," "Record/Playback Head Azimuth Adjustment" and "Audio Circuit Adjustment". But for "Mechanism Adjustment" and "Radio Circuit Adjustment", refer to the GF-777Z Service Manual (SX3E6GF-777Z/) already issued.

Caution!
Under the employment of latest technologies this set uses leadless parts. Consult page 21, 22 without fail before replacing them.

In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

FEATURES

- **Double-Cassette for Easy Editing**
  - * High speed dubbing system
  - * Auto program pause system 5-programs
  - * APLD 5-programs
- **Soft Touch Tape Operation**
- **Metal Tape Capability**
- **16cm 2-Way 4-Speaker System**
- **Separate Bass/Treble Control**

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SHARP CORPORATION OSAKA, JAPAN

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

SPECIFICATIONS

GENERAL

Power source:		AC 110 ~ 127/220 ~ 240V, 50/60Hz DC 15V (UM/SUM-1, R-20, HP-2 or battery x 10, "D" or external DC supply)
Speakers:	Woofer;	16cm (6-1/2") x 2
	Tweeter;	Horn type x 2
Output power:		PMPO; 32W (16W + 16W) MPO; 26W (13W + 13W) RMS; 14W (7W + 7W)
Semiconductors:		11-IC's 47-Transistors 1-FET 63-Diodes 14-LED's
Dimensions:	Width;	666mm
	Depth;	149mm
	Height;	269mm
Weight (without batteries):		7.9kg (17.4 lbs.)

TAPE RECORDER/PLAYER

Tape:		Philips-type compact cassette tape
Frequency response:		30Hz to 17,000Hz (Metal tape) 30Hz to 14,000Hz (Normal tape)
S/N ratio:	Tape 2	50dB (Recording)
	Tape 1	55dB (Playback)
Wow and flutter:		0.06% (WRMS)
Input impedance:	Mixing/External Mic;	600 ohms
	Phono/Line in;	50K ohms/20K ohms
Output impedance:	Headphones;	8 ohms to 25 ohms
	External speaker;	3.2 ohms to 8 ohms
	Line out;	50K ohms

RADIO

Frequency range:	AM;	526.5kHz to 1,606.5kHz
	SW_1;	2.3MHz to 7.3MHz
	SW_2;	7.3MHz to 22MHz
	FM;	87.6MHz to 108MHz

Specifications for this model are subject to change without prior notice.

POWER SUPPLY

The GF-575Z/ZB Unit will operate on an AC mains supply of 110 ~ 127 Volts, or 220 ~ 240 Volts of 50Hz or 60Hz. For portable use it will operate on its internal batteries, or from an external 15 Volts DC supply (with an adaptor).

VOLTAGE SELECTION

Before operating the unit on mains, check the preset voltage. If the voltage in different from your local voltage, adjust the voltage as follows: Slide the AC power supply socket cover by a little loosing screw to the visible indication of the side of your local voltage. See Fig. 2-1.

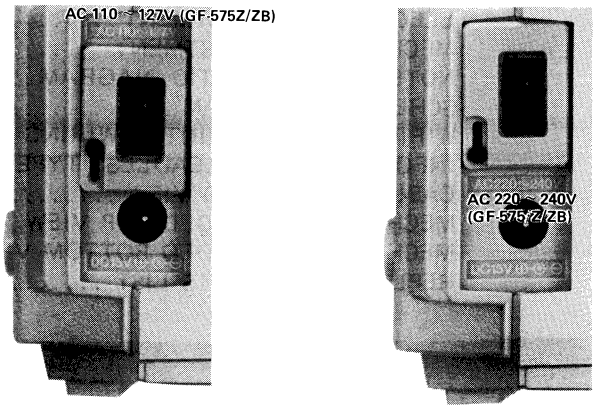


Figure 2-1

NAMES OF PARTS

1. Tweeter (Left)
2. Built-in Microphone (Left)
3. Power Switch
4. Band Selector
5. Built-in Microphone (Right)
6. Tweeter (Right)
7. Tuning Control
8. Fine Tuning Control
9. Woofer (Right)
10. Deck 2: Cassette Compartment
11. Mixing Microphone/External Microphone Sockets
12. Headphones Socket
13. Deck 1: Cassette Compartment
14. Woofer (Left)

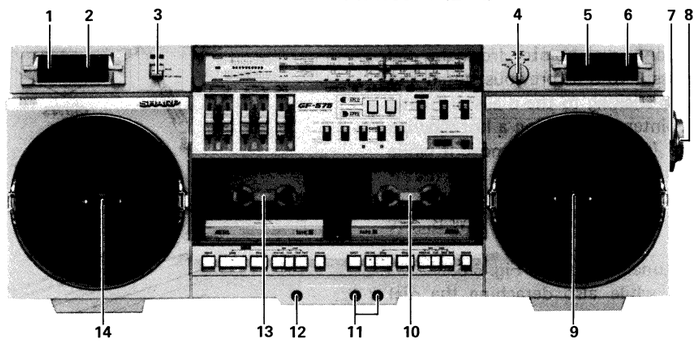


Figure 3-1

15. Power On/Battery Level Indicator
16. Level Meter
17. APLD Clear/APPS Restart Button
18. APLD Start Set/APPS Pause Set Button
19. Dubbing Indicator
20. APLD/APPS Programme Number Indicators
21. FM Stereo Indicator
22. FM Mode/FM Muting Switch
23. Function Selector Switch
24. Tape Counter Reset Button
25. Deck 2: Digital Tape Counter
26. Dubbing Mode Selector Switch
27. Deck 2: Record Muting Button
28. Deck 2: Tape Selector Switch
29. Deck 1: Tape Selector Switch
30. Loudness Switch
31. Microphone Selector Switch
32. Mixing Microphone Volume Control
34. Treble Tone Control
35. Bass Tone Control
36. Right Volume Control
37. Left Volume Control
38. Deck 1: Eject Button
39. Deck 1: Play Button
40. Deck 1: Stop Button
41. Deck 1: Rewind/Review/Reverse APLD Button
42. Deck 1: Cut Button
43. Deck 1: Fast Forward/Cue/Forward APLD Button
44. Deck 1: Pause Button
45. Deck 2: Eject Button
46. Deck 2: Record Button
47. Deck 2: Play Button
48. Deck 2: Stop Button
49. Deck 2: Rewind/Review Button
50. Deck 2: Cut Button
51. Deck 2: Fast Forward/Cue Button
52. Deck 2: Pause Button

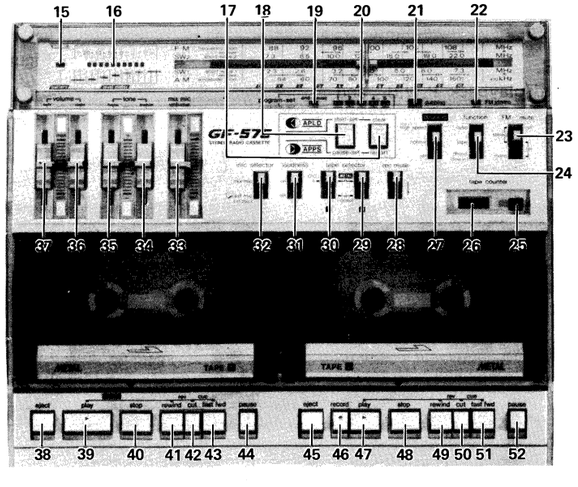


Figure 3-2

53. FM/SW Telescopic Rod Aerial
54. External Speaker Sockets
55. Beat Cancel Switch
56. Line Output Sockets
57. Input Selector Switch
58. Line Input/Phono Input Sockets
59. Earth Terminal
60. Battery Compartment
61. AC Power Supply Socket
62. External DC Power Supply Socket

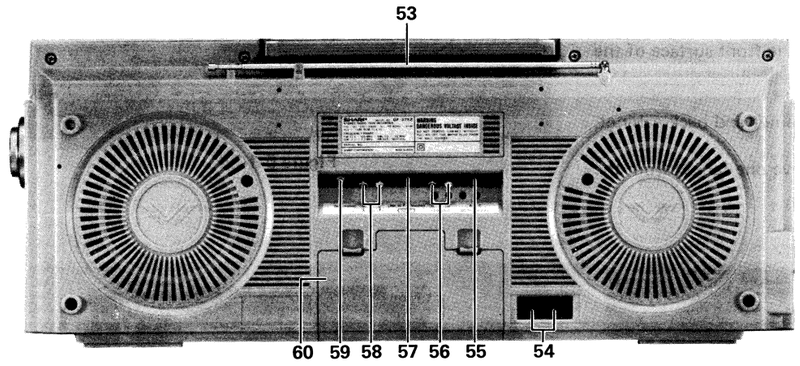


Figure 4-1

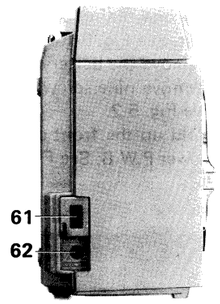


Figure 4-2

DIAL CORD STRINGING

1. Turn the drum fully counterclockwise, and set the cord in the numerical order from 1 to 10 as shown in Fig. 4-4.
2. Turn the tuning control knob driving shaft fully clockwise, and adjust the dial pointer to come into "0" position of the dial scale plate. See Fig. 4-3.

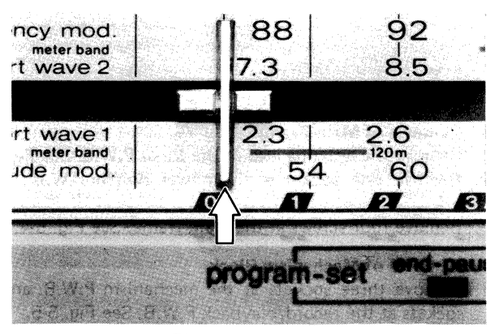


Figure 4-3

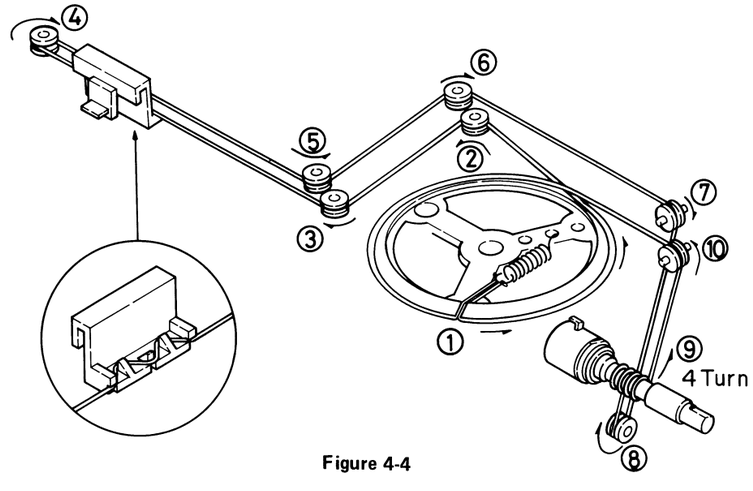


Figure 4-4

DISASSEMBLY

Caution:
Prior to the disassembly, be sure to draw the AC power supply lead plug from the AC power supply socket of the unit and to unload the cassette compartment with a cassette tape.

- **Removal of Front Cabinet and Back Cabinet**

1. Pull out five control knobs, one fine tuning control knob, and one tuning control knob, all at the front surface of the unit. See Fig. 5-1.
2. Remove the battery compartment.
3. Remove nine screws at the front cabinet and back cabinet. See Fig. 5-2.
4. Hold up the front cabinet, and remove one socket from the power P.W.B. See Fig. 5-3.

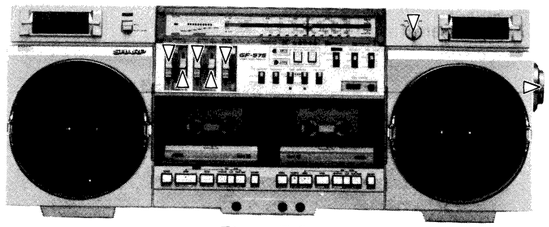


Figure 5-1

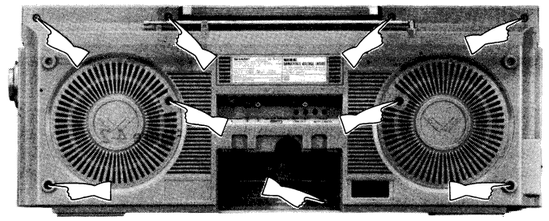


Figure 5-2

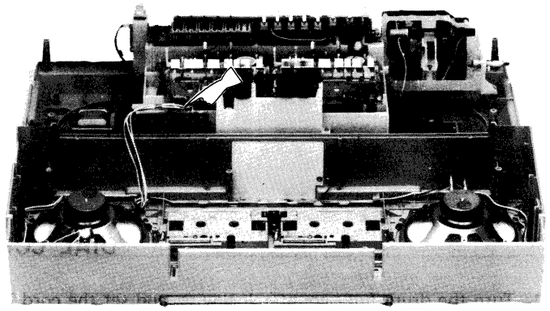


Figure 5-3

- **Removal of Main Frame**

1. Remove the antenna lead at the tuner P.W.B. See Fig. 5-4.
2. Remove one socket at the power switch P.W.B. See Fig. 5-4.
3. Remove four screws at the main frame. See Fig. 5-4.

- **Removal of Mechanism Block**

1. Remove three sockets at the mechanism P.W.B. and three sockets at the record/playback P.W.B. See Fig. 5-5.
2. Detach the tape counter drive belt from the tape take-up reel disk. See Fig. 5-6.
3. Remove three screws at the mechanism block, and shift the mechanism block forwards and detach. See Fig. 5-6.

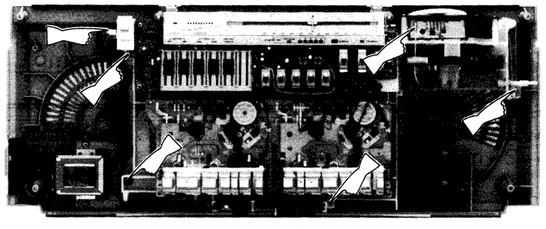


Figure 5-4

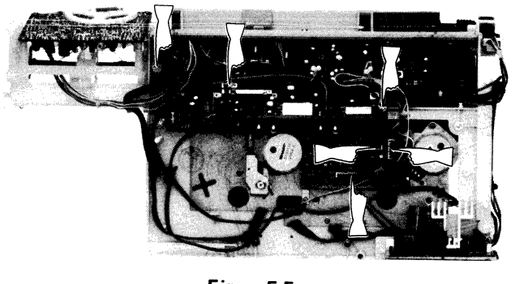


Figure 5-5

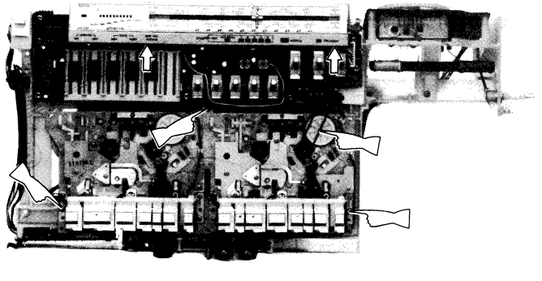


Figure 5-6

- **Removal of Tuner Frame**

1. Stick cellophane tape on the right end of the dial scale plate, as not to get injured the plate. See Fig. 6-1.
2. Detach the string from the dial pointer.
3. Move the dial pointer to the right end (Fig. 6-1).
4. Take out two claws situated at the bottom of the dial scale plate from the dial stringing frame as shown in Fig. 6-2.
5. First, take off the upper left of the dial scale plate, and then, another right tab, and the dial pointer can be removed with the dial scale plate.
6. In the case of removing only dial pointer from the dial scale plate, do the process 1 to 5 as previous stated and then keep the dial pointer sticking to the dial scale plate. Next, heating the dial pointer up by using a hot-blowing drier for about a minute (See Fig. 6-4), remove it while hooking a string over its root as shown Fig. 6-5, so that it can be removed from the dial scale plate.
7. Remove one socket at the record/playback P.W.B. See Fig. 6-6.
8. Remove one screw at the tuner frame. See Fig. 6-6.
9. Detach the tuner frame while also detaching the dial string.
10. Remove one screw and two tabs at the dial stringing frame, and detach the frame. See Fig. 6-7.

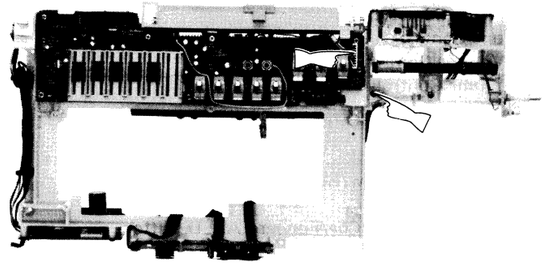


Figure 6-6

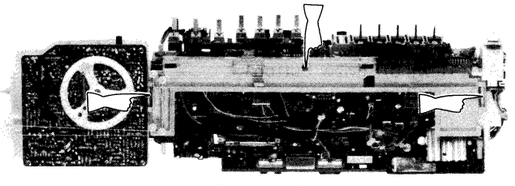


Figure 6-7

- **Removal of Record/Playback P.W.B.**

1. Remove eight screws at the record/playback P.W.B., and shift it upwards and detach. See Figs. 6-8 and 6-9.

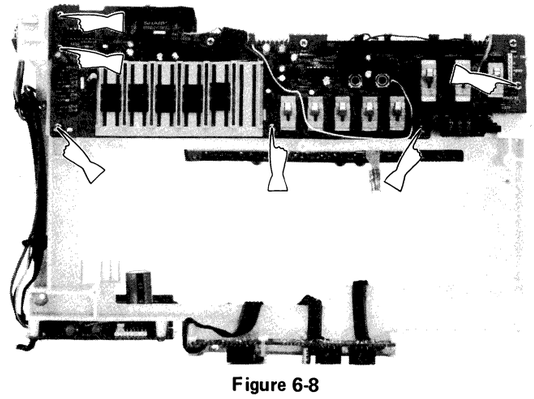


Figure 6-8

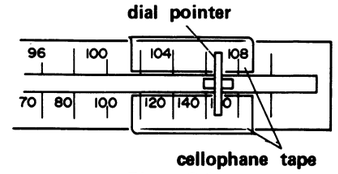


Figure 6-1

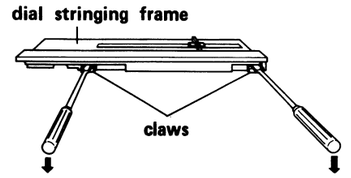


Figure 6-2

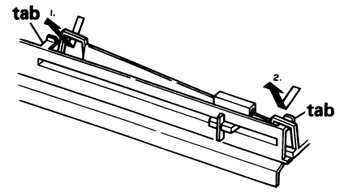


Figure 6-3

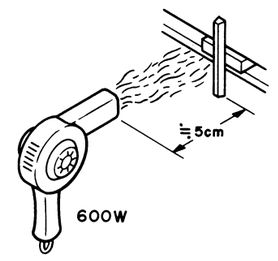


Figure 6-4

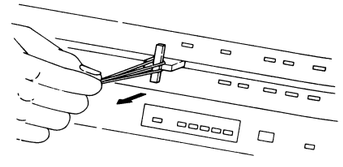


Figure 6-5

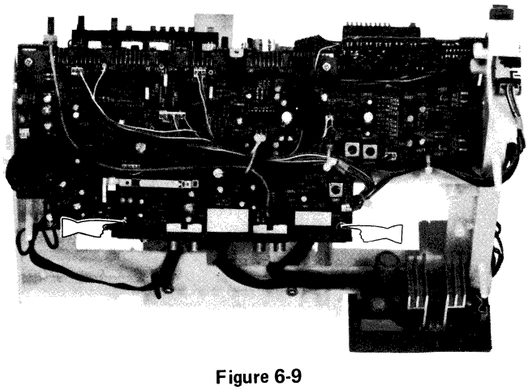
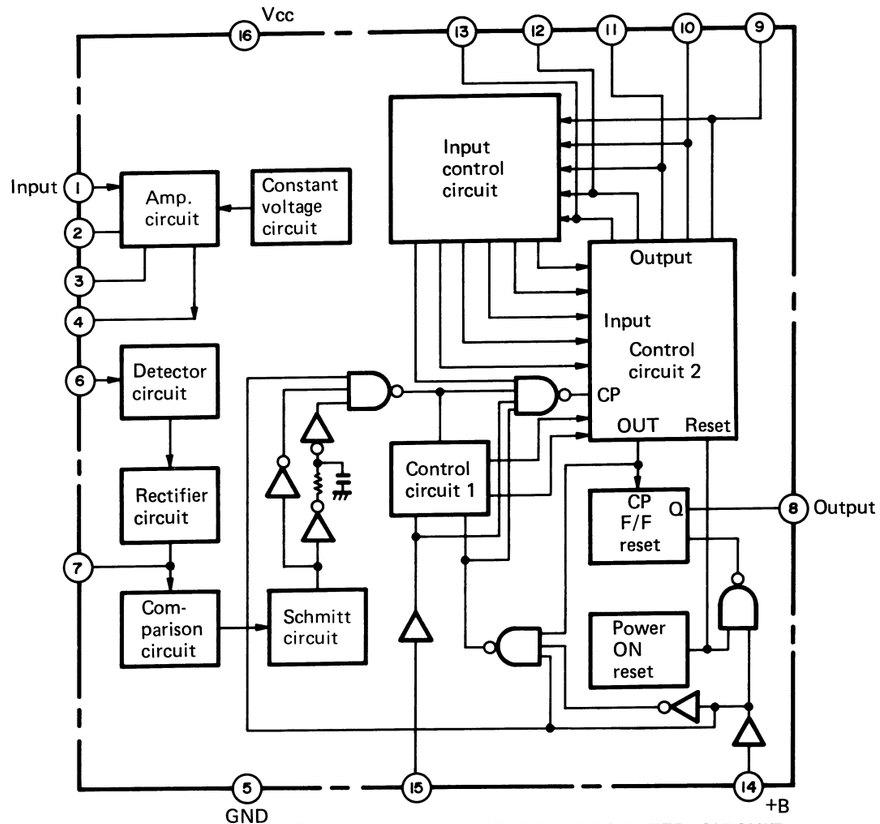
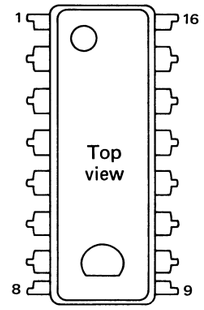


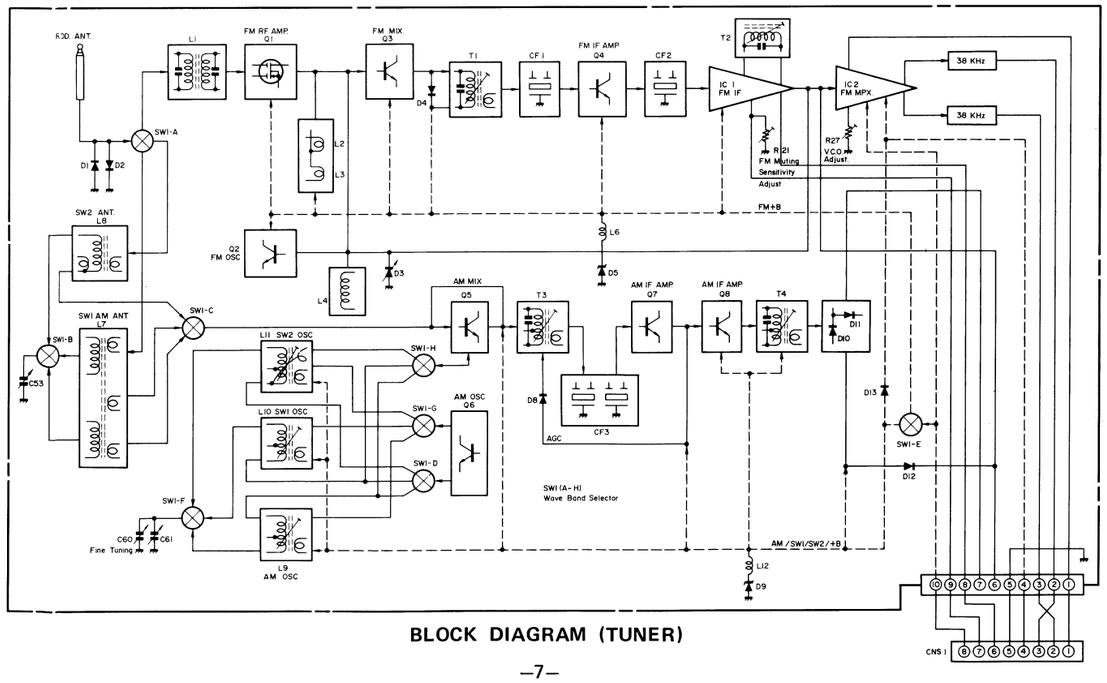
Figure 6-9

VHIIR3R20A/-1 (IC501)

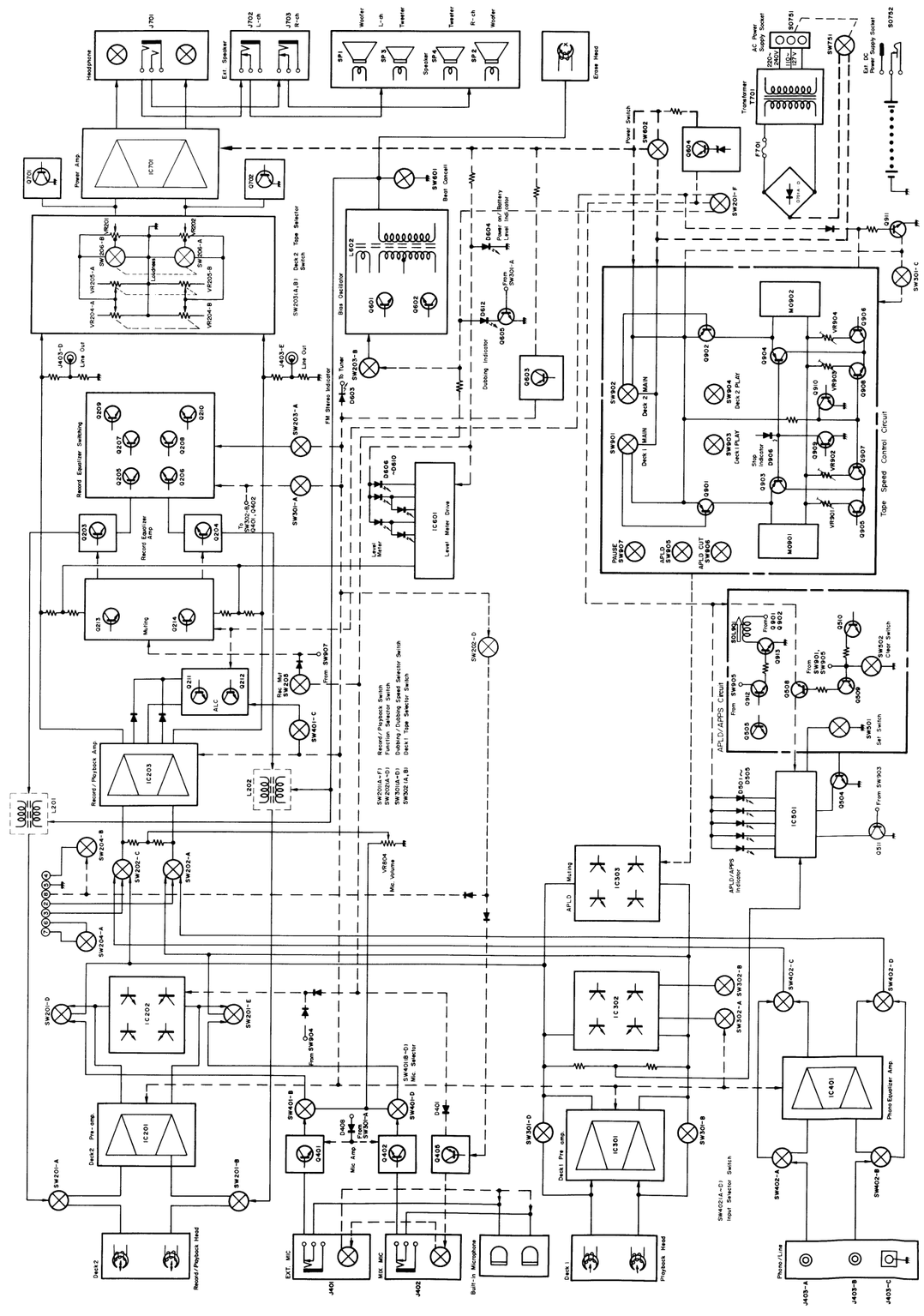




EQUIVALENT CIRCUIT OF INTEGRATED CIRCUIT



BLOCK DIAGRAM (TUNER)



BLOCK DIAGRAM (PRE-AMP)

CIRCUIT CONSTRUCTION

It is possible to select either normal tape speed or high tape speed when you perform dubbing from the deck 1 to the deck 2 and the high speed is twice as fast as the normal speed.

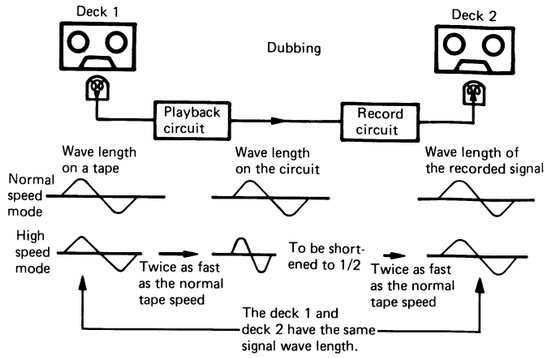

Deck 1
Dubbing
Deck 2
Playback circuit
Record circuit
Wave length on a tape
Wave length on the circuit
Wave length of the recorded signal
Normal speed mode
High speed mode
To be short-ened to 1/2
Twice as fast as the normal tape speed
Twice as fast as the normal tape speed
The deck 1 and deck 2 have the same signal wave length.

Figure 9-1

- **Normal speed/high speed playback selector circuit**
  Being provided at the deck 1, the NF circuit works to select the normal speed mode or the high speed mode: the frequency at the high speed is two times higher than that at the normal speed. Here is also given proper equalization for the signals of both speed modes. IC302 changes its constant according to whether a normal tape or a metal tape has been loaded in the unit.

- **Normal Speed/High Speed Selector Circuit**
  Change of the motor's rotational speed results in a changeover between the tape normal speed and high speed modes. The electronic switch is used to act on the deck 1 and deck 2 at a time as their speeds are changed.
  Fig. 9-2 shows how the circuit works to get the unit in the high speed mode, whose expression is made with use of the mechanical switch instead of the electronic switch.

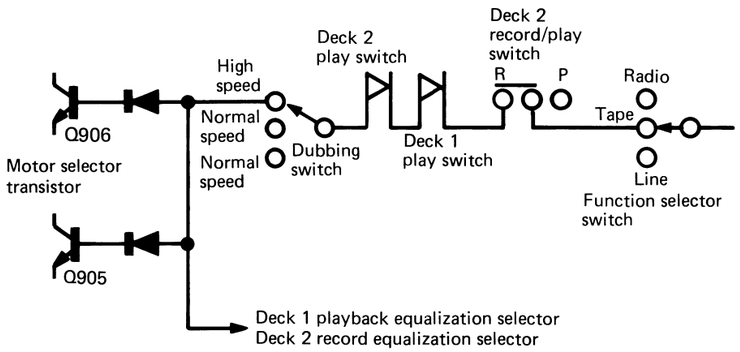


Figure 9-2

- **Normal speed/high speed record selector circuit**
  Being provided at the deck 2, the circuit made up of transistors Q205, Q206, Q207 and Q208 works to select the normal speed mode or the high speed mode: the frequency at the high speed is two times higher than that at the normal speed. Transistors Q209 and Q210 are used to detect whether a normal tape or a metal tape has been loaded in the unit.

APPS (Automatic Program Pause System)

The existing APLD, as you know, is to automatically detect an end of the program when the unit is in fast forward or rewind mode and then to return it to play mode. The APPS employed for the GF-575Z/ZB is something new which is based on the same ideas as with such APLD, and it is activated not only when the unit is in play mode (at the deck 1 only) but also when it is in dubbing mode (from the deck 1 to the deck 2).
In the dubbing mode (either at normal speed or at high speed), as soon as an end of the program is detected by the APLD in the deck 1, the APPS works to stop the motor circuits of both decks 1 and 2 simultaneously – that is, motions of the deck 1 and deck 2 are stopped just at a time.
Therefore, the deck 1 has two automatic controls – APLD and APPS, that is, it is controlled by the APLD when it is in play mode (with the deck 2 in stop mode) and by the APPS when it is in dubbing mode.
The two cotnrols APLD and APPS are differentiated by the following:

- Difference in gain and frequency characteristic between APLD and APPS.
- Difference in program detect time between APLD and APPS

These differences are due to that the tape speed is different according to whether the unit is in play mode or dubbing mode, and according to these, the electronic switch selects the APLD or APPS to get it in action.

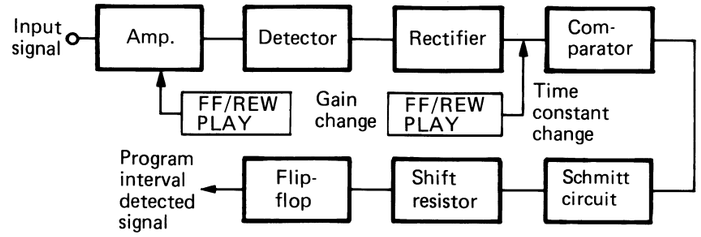


Figure 10-1

- For the mechanism adjustment and radio (high frequency) circuit adjustment, refer to the GF-777Z Service Manual.

AUDIO CIRCUIT ADJUSTMENT

- **Record Amplifier Bias Current/Bias Oscillator Frequency Check**
1. Make connection of instruments as shown in Fig. 10-2.
2. Set the deck 2 tape selector switch at "normal" position.
3. Place the unit in record mode, and adjust the bias oscillator frequency adjusting variable coil (L602) so that the bias oscillator frequency, on the oscilloscope's Lissajou's figure, is 100 to 104kHz.
4. Connect an electronic voltmeter to both ends of the resistor R201 or R202, and adjust the step-up coil L201 or L202 so that the voltmeter's reading is 6.4mV.

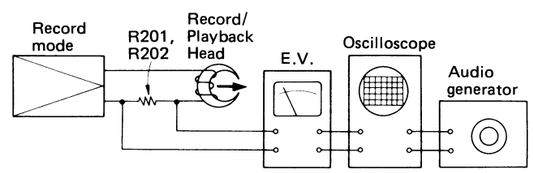


Figure 10-2

- **Record Amplifier Erase Current Check**
1. Make connection of instruments as shown in Fig. 10-3.
2. Place the unit in record mode, and set the deck 2 tape selector switch at "metal" position.
3. Check that the electronic voltmeter is reading 160mV and more.

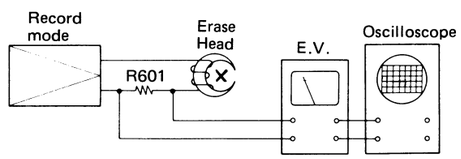


Figure 10-3

- **Level Meter Sensitivity Check**
1. Make connection of instruments as shown in Fig. 10-4.
2. Set the input selector switch at "line" position and the function selector switch at "phono/line" position.
3. Check that the level indicator "0 VU" lights when the input signal is of oscillation frequency 1kH and –18dB, and that the level indicator "+3dB" lights when the input signal is of oscillation frequency 1kHz and –16dB. (0dB = 1V)

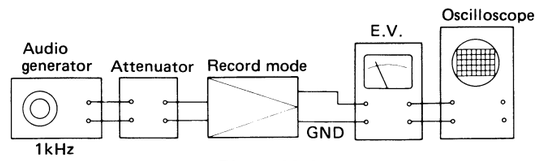


Figure 10-4

- **Record Amplifier Sensitivity Check**
1. Connect an audio generator to each of the input sockets shown in the table below, and apply a 1kHz signal to it.
2. Check that the level indicator "0 VU" lights with the different input voltages tabulated below, with the assumption of 0dB = 1V.

Lint input	35.5 ~ 70.8mV (–26 ±3dB, 0dB = 1V)
External mic input	0.14 ~ 0.28mV (–74 ±3dB, 0dB = 1V)
Mixing mic input	0.39 ~ 0.79mV (–65 ±3dB, 0dB = 1V)
Phono input	1 ~ 1.99mV (–57 ±3dB, 0dB = 1V)

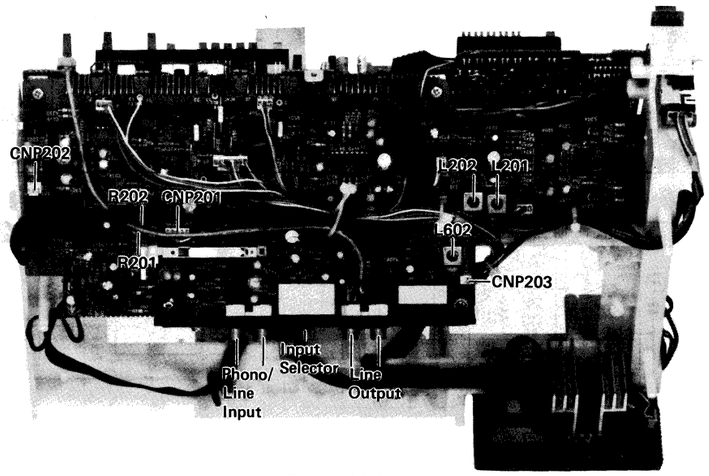


Figure 11-1

TAPE SPEED ADJUSTMENT

- **For Normal Speed Operation:**

1. Connect a wow/flutter meter to the line output socket across a 100Kohm resistor.
2. Play a test tape (TEAC, MTT-111, 3kHz prerecorded) — at its middle part but not at its start or end point.
3. Adjust the semi-variable resistors (VR902 for the deck 1 and VR903 for the deck 2) on the mechanism P.W.B. so that the output frequency is 2985 to 3015 Hz for the deck 1 and 2970 to 3000 Hz for the deck 2.

- **For High Speed Operation:**

At the deck 1;

1. Place the unit in high speed dubbing mode with a test tape (TEAC, MTT-118, 1kHz prerecorded) loaded in the deck 1.
2. Adjust the semi-variable resistor (VR901) on the mechanism P.W.B. so that the output frequency is 1990 to 2010 Hz on the wow/flutter meter.

At the deck 2;

1. Short the base and emitter (test pin) of the transistor Q911 on the mechanism P.W.B. Place the unit in high speed dubbing mode with a test tape (TEAC, MTT-118) loaded in the deck 2.
2. Adjust the semi-variable resistor (VR904) on the mechanism P.W.B. so that the output frequency is 1980 to 2000 Hz on the wow/flutter meter.
   Note:
   For the adjustment, arrange the deck 1 and deck 2 to provide the same speed.

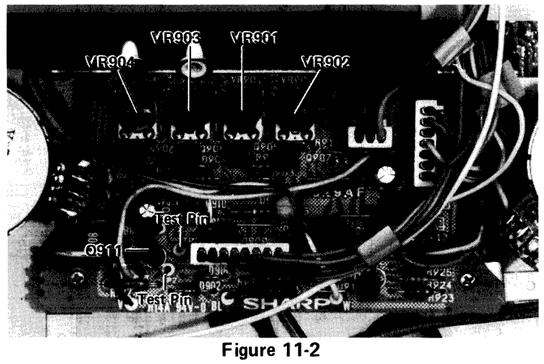
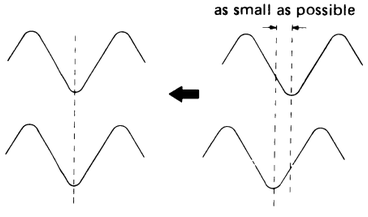


Figure 11-2

RECORD/PLAYBACK HEAD AZIMUTH ADJUSTMENT

1. Make connection of instruments as shown in Fig. 11-3.
2. Set the tape selector switch at "normal" and the dubbing mode selector switch at "normal" position.
3. Play a test tape (TEAC, MTT-114, 10kHz prerecorded).
4. Adjust the head azimuth adjusting screw — inside the cassette holder, so that the electronic voltmeter's reading is maximal.



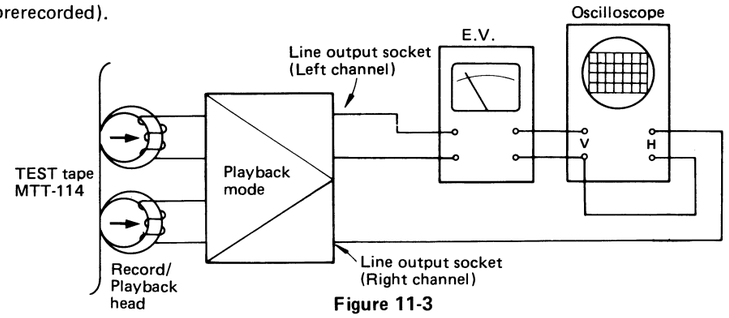


Figure 11-3

NOTES ON SCHEMATIC DIAGRAM

Ref. No.	Names of Switch	Switch Position
SW1 (A ~ H)	Band Selector Switch	FM - SW_2 - SW_1 - AM
SW201 (A ~ F)	Record/Playback Switch	Playback - Record
SW202 (A ~ D)	Function Selector Switch	Radio - Tape - Phono/Line
SW203 (A, B)	Deck 2: Tape Selector Switch	Metal - Normal
SW204 (A, B)	FM Mode/FM Muting Switch	Stereo/on - Stereo/off - Mono/off
SW205 (A, B)	Record Muting	on - off
SW206 (A, B)	Loudness Switch	on - off
SW301 (A ~ D)	Dubbing Mode Selector Switch	High Speed - Normal - off
SW302 (A, B)	Deck 1: Tape Selector Switch	CrO_2/Metal - Normal
SW401 (A ~ D)	Microphone Selector Switch	Mixing Mic. - External Mic. (in mic)
SW402 (A ~ D)	Input Selector Switch	Line - Phono
SW501	APLD Start Set/APPS Pause Set Switch	on - off
SW502	APLD Clear/APPS Restart Switch	on - off
SW601 (A ~ C)	Beat Cancel Switch	A - B - C
SW602	Power Switch	on - off
SW751	AC/DC Selector Switch	AC - DC
SW901	Deck 1 Main Switch	on - off
SW902	Deck 2 Main Switch	on - off
SW903	Deck 1 Playback Switch	on - off
SW904	Deck 2 Playback Switch	on - off
SW905	Deck 1 APLD Switch	on - off
SW906	Deck 1 APLD Cut Switch	on - off
SW907	Pause Switch	on - off

1. Resistor
   To differentiate the units of resistors, such symbols as K and M are used: the symbol K means 1000 ohms and the symbol M means 1 Meg. ohm (1/4W). The resistor with mark is a printed resistor. Unless otherwise specified the resistor is in the order of ohms.
2. Capacitor
   Unless otherwise specified, any capacitance is expressed in microfarad. P means picofarad.
   The types of capacitors are seen from the symbols ML (mylar capacitor) and P.P. (polypropylene capacitor).
3. As to electrolytic capacitor, the expression "capacitance/-withstand voltage" is used.
4. The voltage in each part is measured with no signal given, by using an electronic voltmeter with the power supply of DC 15V.
   Unless otherwise specified, voltage measurement is performed in the following conditions.
   - Power switch at "on" position
   - Function selector switch at "tape" position
   - Deck 1 and deck 2 both in a stop
   - Tape selector switch at "normal" position
   - Microphone selector switch at "external mic" position

4-1. Transistor Q211: voltage with parenthesis is in record mode.
   Transistor Q212: voltage with parenthesis is in mixing mode with microphone.

4-2. Transistors Q213 and Q214: voltage with parenthesis is in record mode.

4-3. Transistors Q205, Q206, Q207, Q208, Q209 and Q210: voltages are in record mode with the tape selector and dubbing mode selector switches set at "normal" positions.

4-4. Transistors Q601 and Q602: voltage without parenthesis is in record mode with the tape selector switch set at "normal" position, and voltage with parenthesis is in record mode with the tape selector switch set at "metal" position.

4-5. IC601: voltages are measured when all LED are lighting.

4-6. Transistor Q405: voltages are measured when the internal microphone is activated.

4-7. Transistor Q605: voltages are measured when the dubbing indicator is lighting.

4-8. IC501, transistors Q504, Q505, Q508, Q509, Q510, Q511, Q912 and Q913: voltage without parenthesis is the one measured when 1st indicator of APPS is lighting in normal speed mode, and voltage with parenthesis is the one measured when 1st indicator of APLD is lighting.

4-9. Transistors Q901 and Q902: voltage without parenthesis is the one measured when the decks 1 and 2 are in play mode, and voltage with parenthesis is the one measured when the decks 1 and 2 are in stop mode.

4-10. Transistors Q903, Q904 and Q909: voltage without parenthesis is the one measured when the decks 1 and 2 are in play mode, and voltage with parenthesis is the one measured when the decks 1 and 2 are in stop mode.

4-11. Transistors Q905, Q906, Q907, Q908, Q910 and Q911: voltage without parenthesis is the one measured when the decks 1 and 2 are in normal speed mode, and voltage with parenthesis is the one measured when the decks 1 and 2 are in high speed mode.

4-12. Tuner: voltages are measured when the function selector switch is set at "radio" position.

Parts marked with "⚠" ( ) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

- Specifications or wiring diagrams of this model are subject to change for the improvement without prior notice.

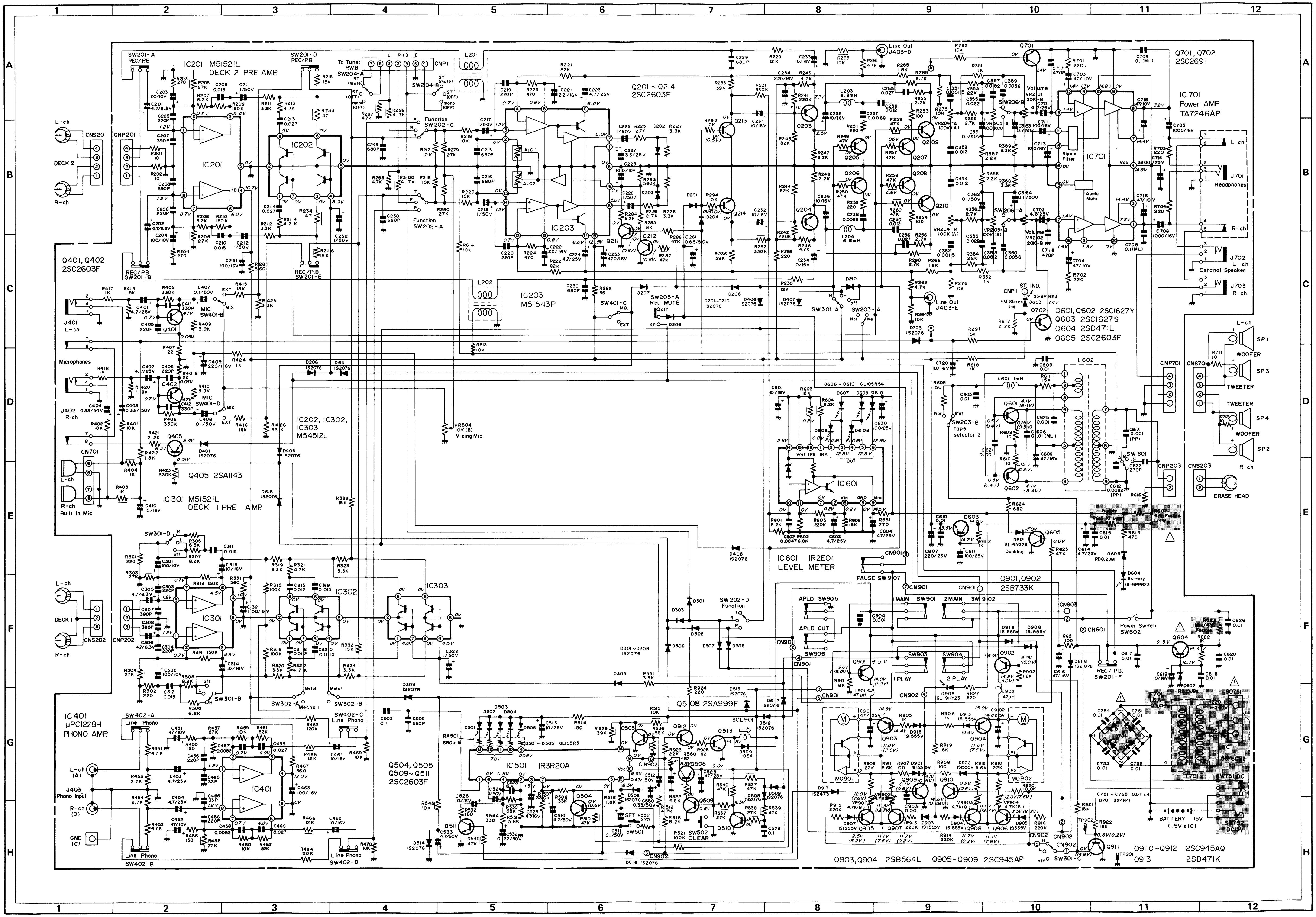

IC201 M51521L DECK 2 PRE AMP
IC202, IC302, IC303 M54512L
IC203 M51543P
Q201 ~ Q214 2SC2603F
Q401, Q402 2SC2603F
Q405 2SA1143
IC301 M51521L DECK 1 PRE AMP
IC401 μPC1228H PHONO AMP
Q504, Q505 Q509~Q511 2SC2603F
IC501 IR3R20A
Q508 2SA999F
IC601 IR2E01 LEVEL METER
IC701 Power AMP. TA7246AP
Q701, Q702 2SC2691
Q601, Q602 2SC1627Y
Q603 2SC1627S
Q604 2SD471L
Q605 2SC2603F
Q901, Q902 2SB733K
Q903, Q904 2SB564L
Q905~Q909 2SC945AP
Q910~Q912 2SC945AQ
Q913 2SD471K
DECK 2
DECK 1
Microphones
Built in Mic
J403 Phono Input
Line Out J403-D
Line Out J403-E
J701 Headphones
J702 L-ch Extanal Speaker
J703 R-ch
To Tuner P.W.B
Function SW202-C
Function SW202-A
SW205-A Rec MUTE
VR804 10K(B) Mixing Mic.
SW203-B tape selector 2
ERASE HEAD
SP1 WOOFER
SP3 TWEETER
SP4 TWEETER
SP2 WOOFER
PAUSE SW907
APLD SW905
APLD CUT
SW906
1 MAIN SW901
2 MAIN SW902
1 PLAY SW903
2 PLAY SW904
Power Switch SW602
REC/PB. SW201-F
F701 1.6A
T701
AC 50/60Hz
SW751 DC
S0751
S0752 DC15V
BATTERY 15V (1.5V x 10)
C751 ~ C755 0.01 x4
D701 3G4B41
SET SW501
SW502 CLEAR
SOL 901
M0901
M0902

Figure 13 SCHEMATIC DIAGRAM

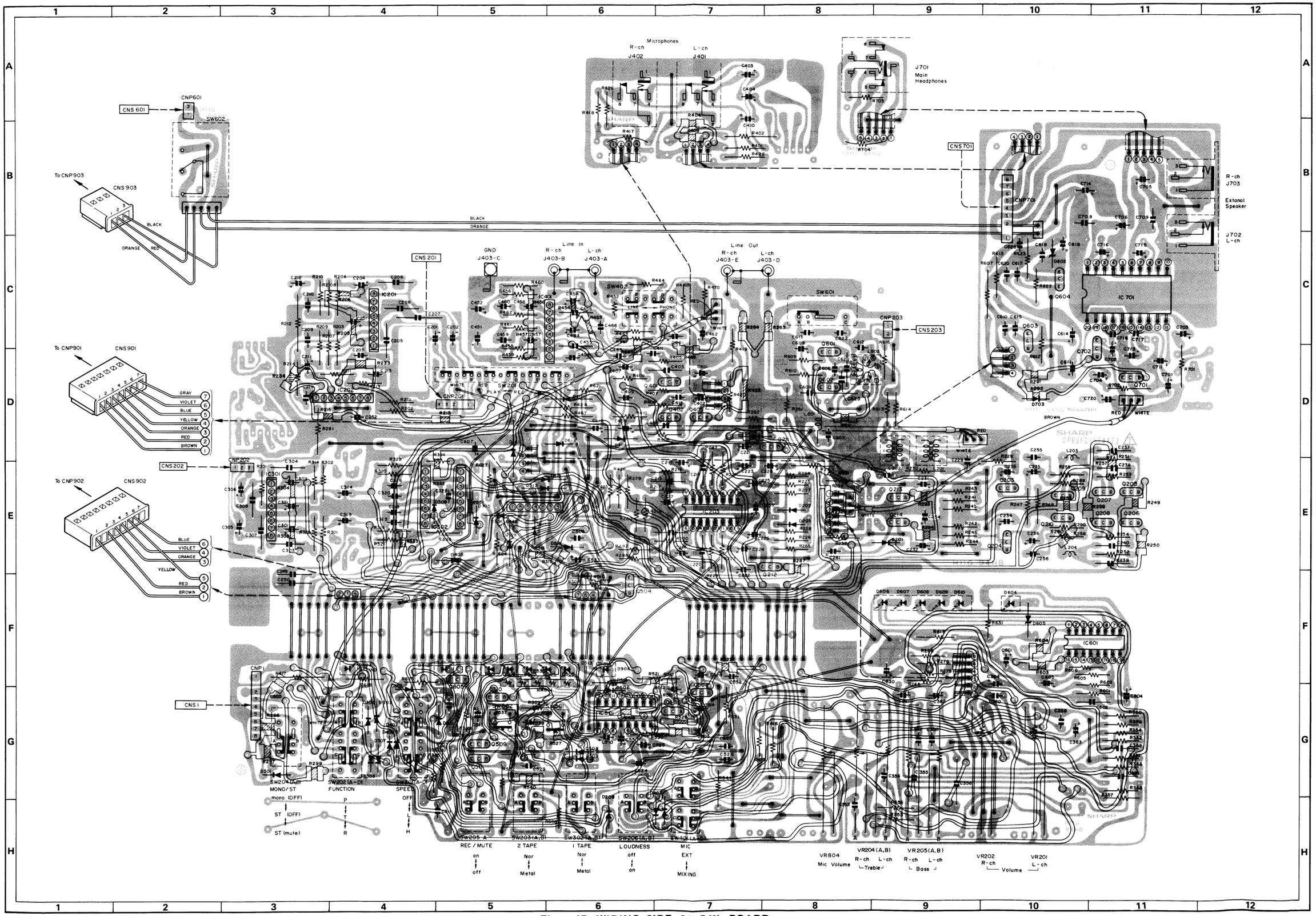


Figure 15 WIRING SIDE OF P.W. BOARD

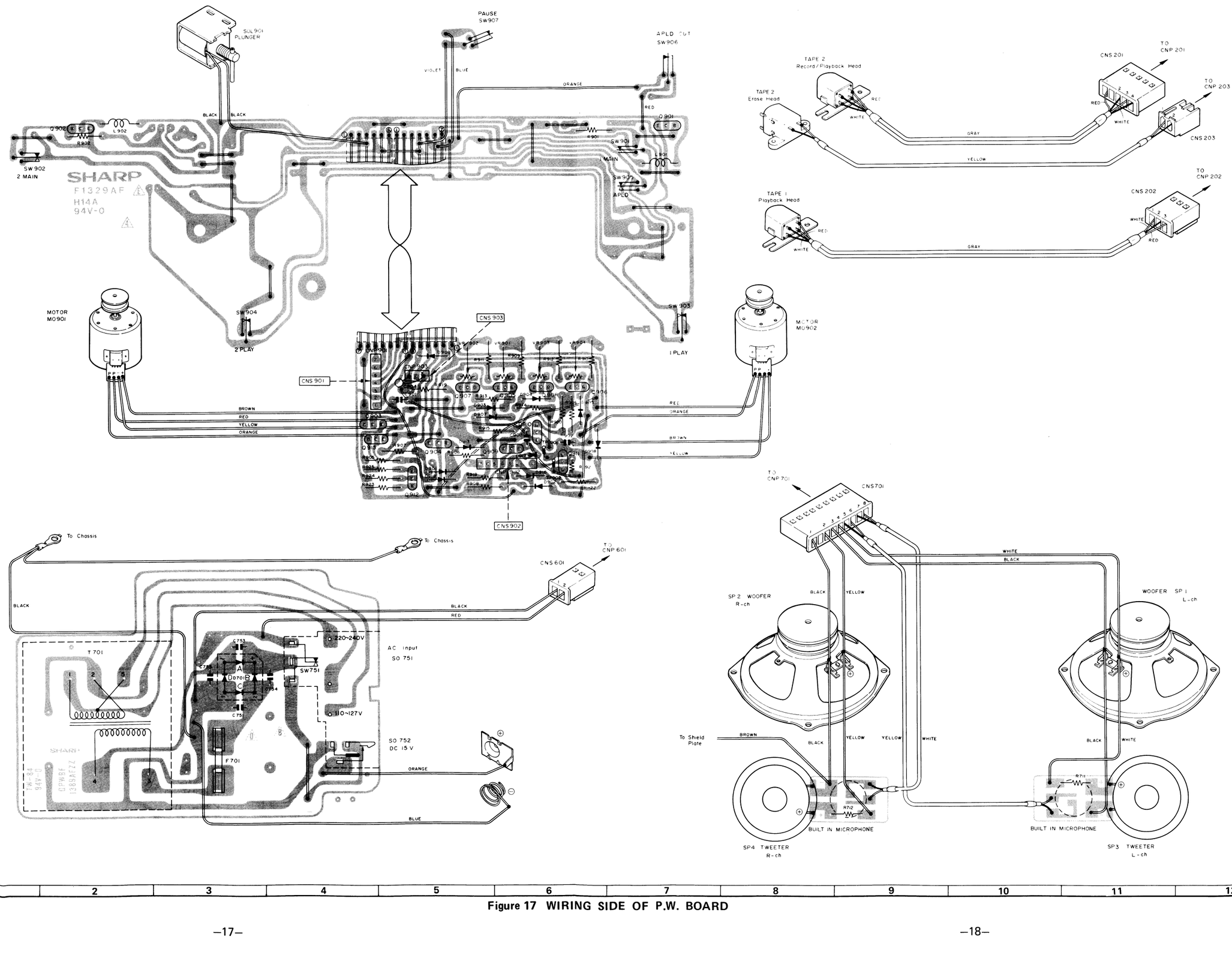


Figure 17 WIRING SIDE OF P.W. BOARD

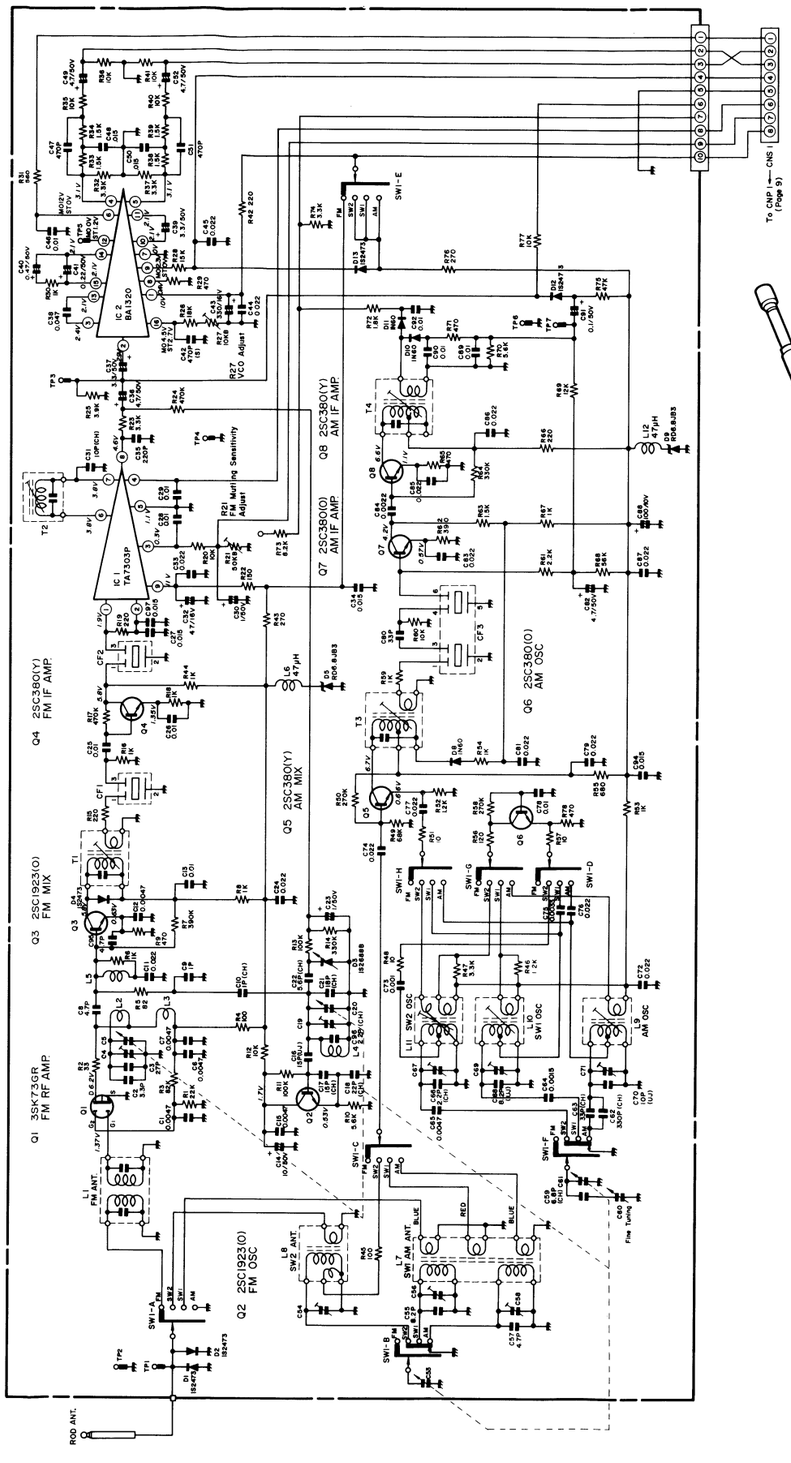


Figure 19 SCHEMATIC DIAGRAM

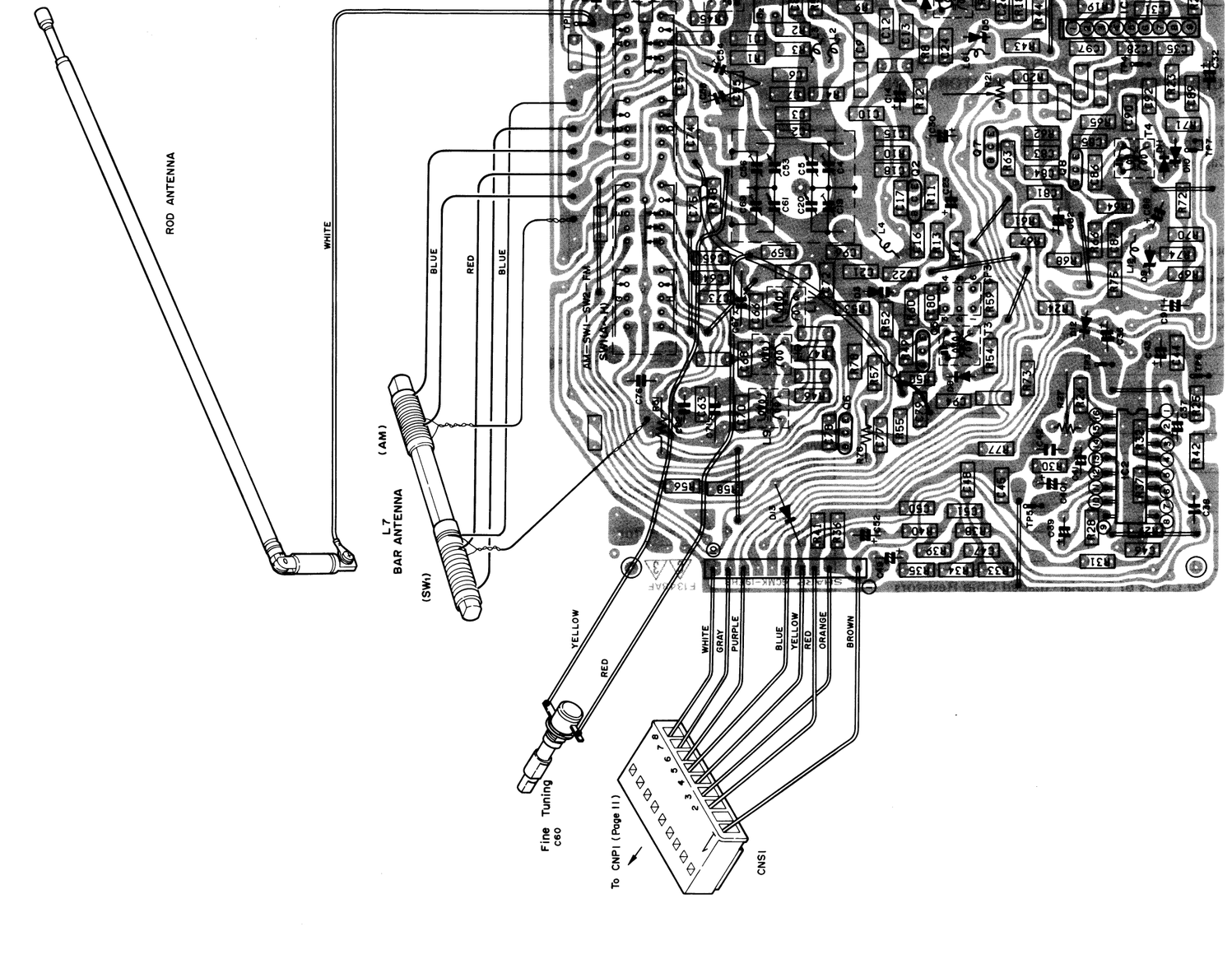


Figure 20 WIRING SIDE OF P.W. BOARD

INFORMATION OF LEADLESS TYPE RESISTORS, CAPACITORS AND JUMPERS

EXPLANATORY NOTES OF CHIP RESISTORS, CHIP CAPACITORS AND CHIP JUMPERS IN BOTH TUBULAR SHAPE AND SQUARE SHAPE.

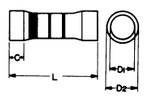
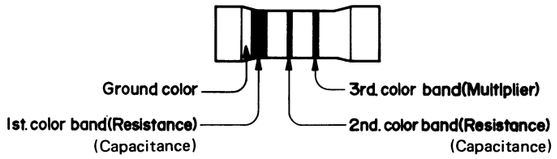
	Appearance	Dimensions
• Tubular-shaped chip resistor • Tubular-shaped chip capacitor • Tubular-shaped chip jumper		L: 5.9±0.2mm C: 1.0±0.5mm D1: 2.2±0.1mm D2: 2.4mm(max)

Table 21-1

IDENTIFICATION OF TUBULAR-SHAPED CHIP RESISTORS, TUBULAR-SHAPED CHIP CAPACITORS AND TUBULAR-SHAPED CHIP JUMPERS.

Appearance of Tubular-Shaped Chip Resistor and/or Tubular-Shaped Chip Capacitor



Color band / Color	1st color band	2nd color band	3rd color band
Black	0	0	10^0
Brown	1	1	10^1
Red	2	2	10^2
Orange	3	3	10^3
Yellow	4	4	10^4
Green	5	5	10^5
Blue	6	6	–
Violet	7	7	–
Gray	8	8	–
White	9	9	–
Gold	–	–	10^{-1}

Table 21-2 Color Codes of Tubular-Shaped Chip Resistors and Tubular-Shaped Chip Capacitors

- **Identification of the tubular-shaped chip resistor**
  If the ground color is ivory, this means a tubular-shaped chip resistor.
- **Identification of the tubular-shaped chip capacitor**
  If the ground color is green, this means a tubular-shaped chip capacitor. It is pink for the semiconductor chip capacitor (VCTYMF · · · 562K), however.
- **Identification of the tubular-shaped chip jumper**
  This jumper has no color band indication on it: no resistance is given for any jumper of this type.
  If the ground color is ivory, this means a tubular-shaped chip jumper.

Note:
The 1st color band is thicker than the 2nd and/or 3rd color band.
There is no indication about the resistance tolerance and the capacitance tolerance. But the tubular-shaped chip resistor is specified to have the tolerance J (±5%).

DIFFERENCES OF TUBULAR-SHAPED AND SQUARE-SHAPED CHIPS AGAINST THE ORDINARY TYPES OF RESISTORS, CAPACITORS AND JUMPERS.

Tubular-shaped chip resistor

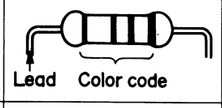
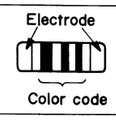
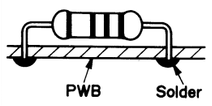
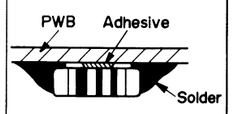
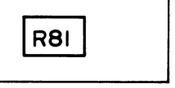
Item	Ordinary resistor	Tubular-shaped chip
Parts No.	VRD-ST2EE · · · J	VRD-MF2EE · · · J
Appearance		
Attachment on PWB		
Symbol on wiring diagram		

Table 21-3

Tubular-shaped chip capacitor

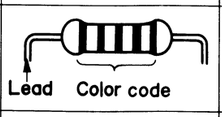
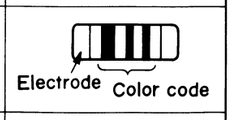
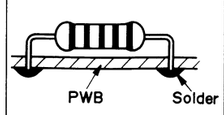
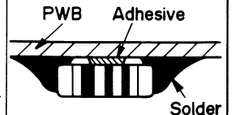
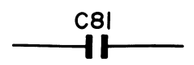
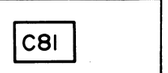
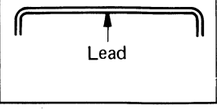
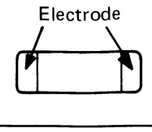
Item	Ordinary capacitor	Tubular-shaped chip
Parts No.	VCKYAT1HB · · · K	VCKYMF1HB · · · K
Appearance		
Attachment on PWB		
Symbol on wiring diagram		

Table 21-4

Tubular-shaped chip jumper

Item	Ordinary jumper	Tubular-shaped chip
Parts No.	VWRASAS– · · · ·	VRD-MF2EE000C
Appearance		

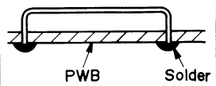
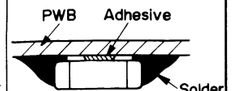
Item	Ordinary resistor	Square-shaped chip
Attachment of PWB		
Symbol on wiring diagram	non	

Table 22-1

SERVICING OF LEADLESS TYPE RESISTORS AND CAPACITORS

Here's their servicing method different from that for the ordinary type of resistors and capacitors.

Removal of the Tubular-Shaped Chip

1. Using a soldering iron, heat the solder at each terminal of the chip to get it absorbed into a braided wire applied thereon. See Fig. 22-1.
2. Holding the chip with a pincette, take it off gently using the soldering iron's heat applied on each terminal of it. See Fig. 22-2.

Cautions on removal:

1. When handling the soldering iron, use a proper force and keep a careful manner.
2. When removing the chip, do not use undue force with the pincette.
3. The soldering iron in use should operate on AC mains; it is best if provided with a thermal control (240° or so).
4. The chip once removed must not be used again.

Attachment of Tubular-Shaped Chip

1. Temporarily solder one terminal of the chip on the copper foil surface. See Fig. 22-3.
2. Holding one end of the chip with a pincette, completely solder both terminals of it one after another. See Fig. 22-4.

Cautions on attachment:

1. When soldering the chip terminals, do not touch them directly with the soldering iron. The soldering must be as quick as possible being careful not to hurt the terminals and the body itself.
2. When touching the chip with a pincette, hold its terminal but never its body.
3. Keep the chip's body in contact with the P.W.B. when soldering.
4. The soldering iron in use should operate on AC mains; it is best if provided with a thermal control (240° or so).
5. The soldering amount must be enough but not be outside the specified area.

General Cautions on Handling and Storage

1. Oxidization on the chip's terminals results in poor soldering. Do not handle them with bare hands.
2. For storage, avoid the following places where oxidization will occur and their capacitance or resistance will be deteriorated.
   1) Sulfur or chlorine gas floating places
   2) Directly sunlit places
   3) High temperature/high humidity places

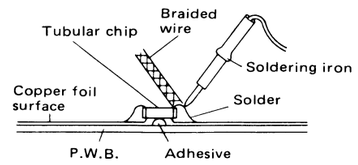


Figure 22-1

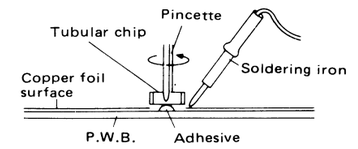


Figure 22-2

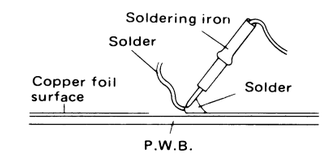


Figure 22-3

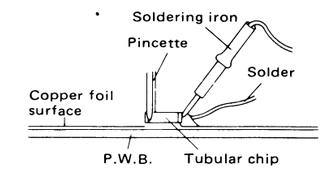


Figure 22-4

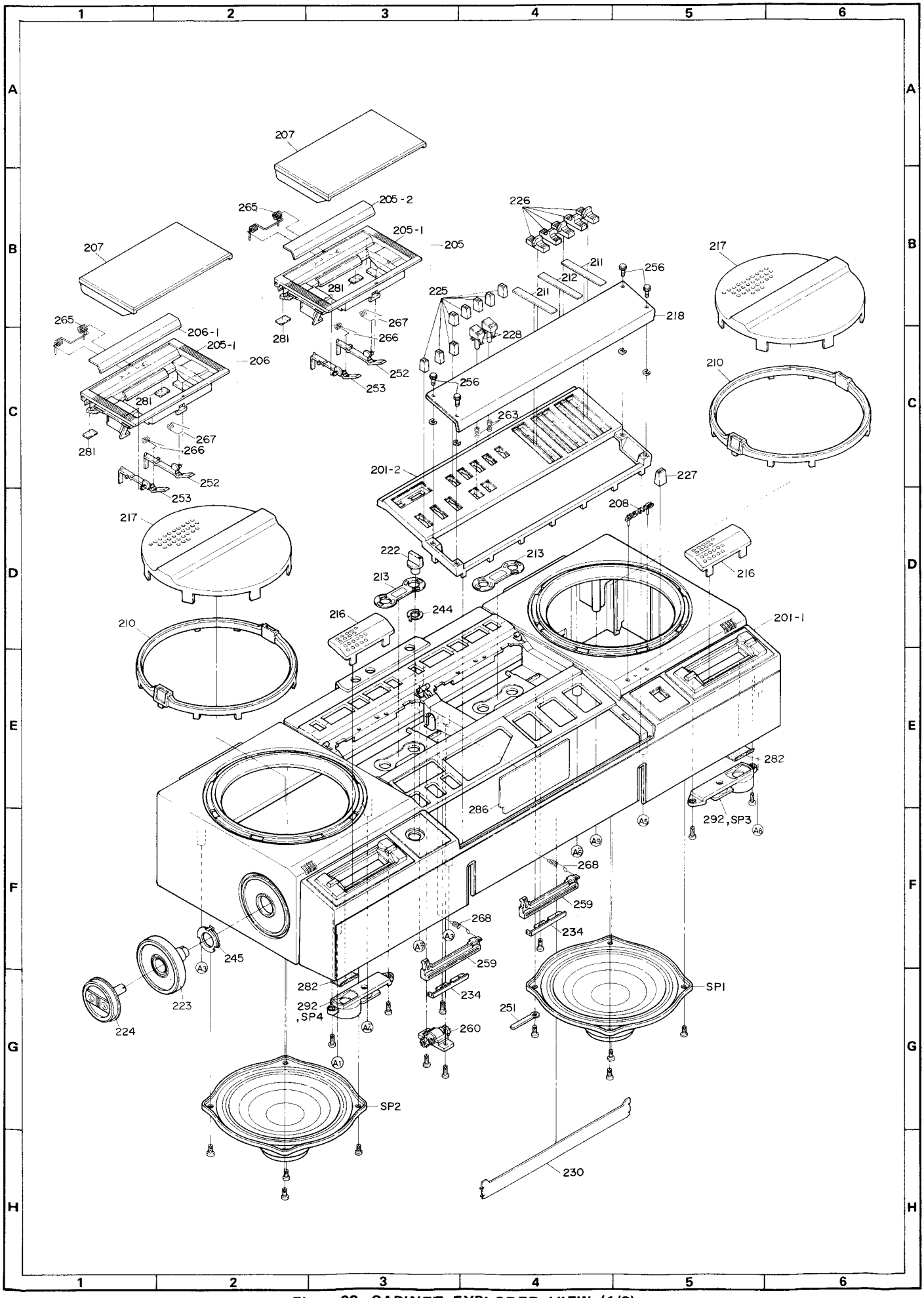


Figure 23 CABINET EXPLODED VIEW (1/3)

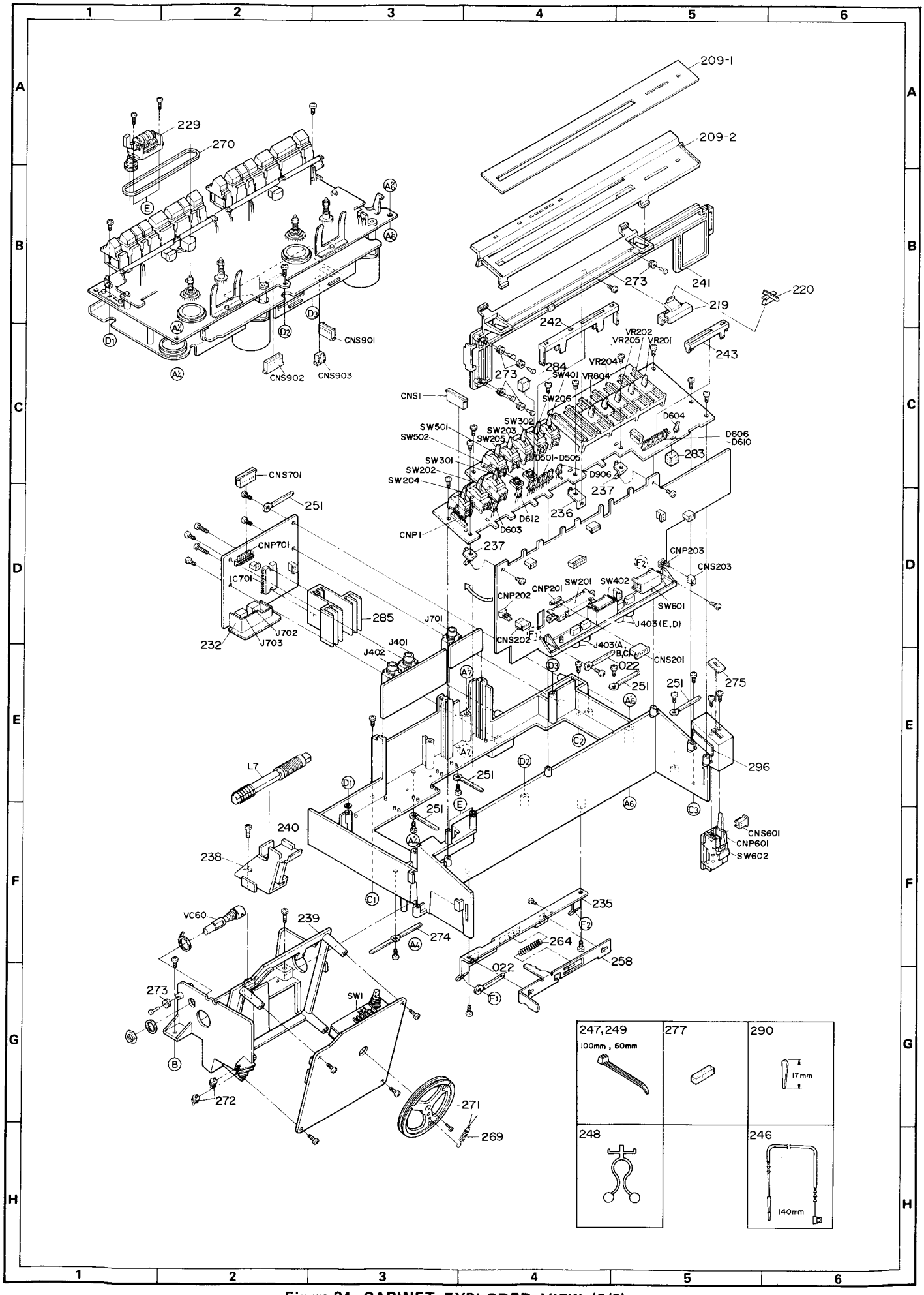


Figure 24 CABINET EXPLODED VIEW (2/3)

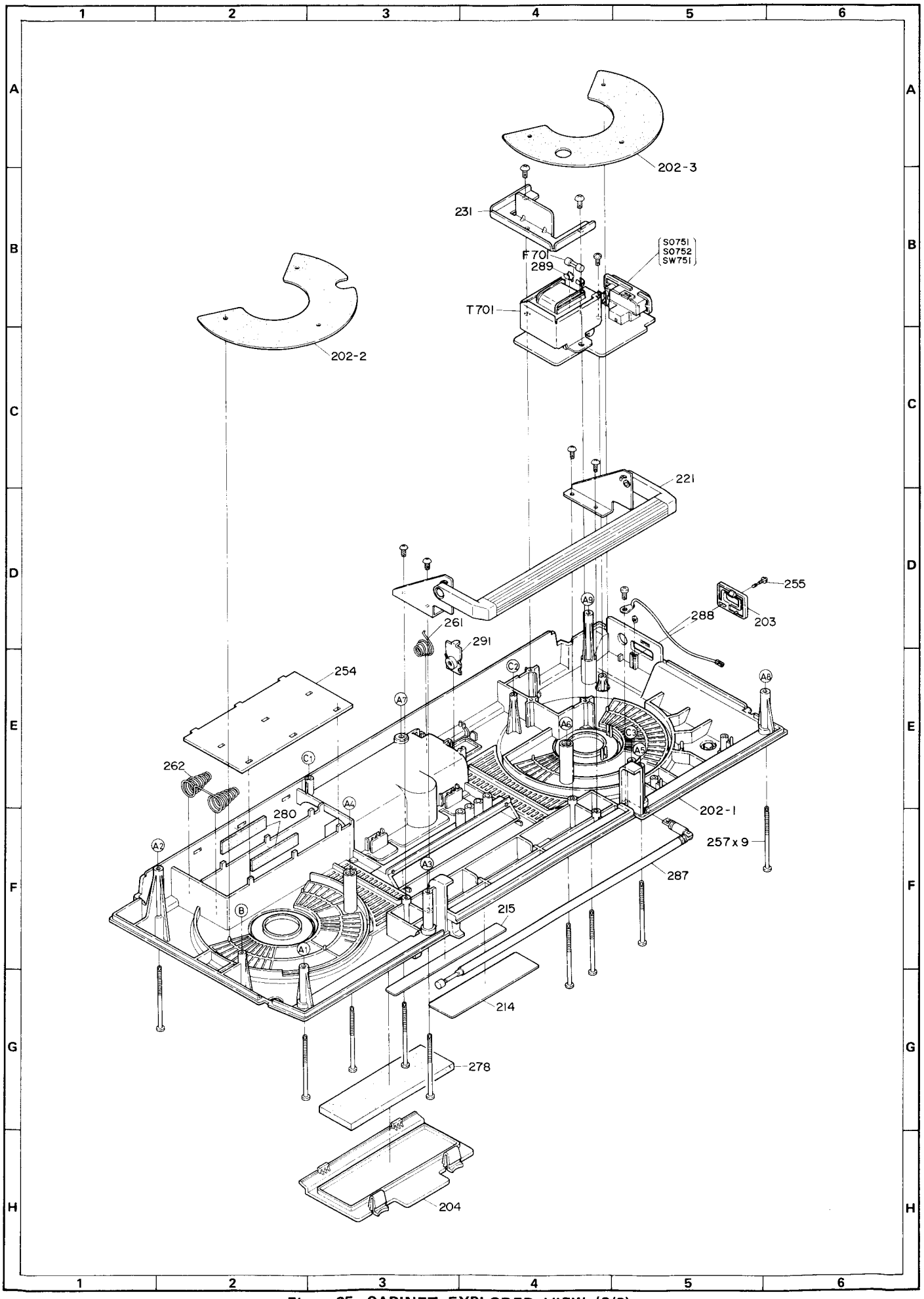


Figure 25 CABINET EXPLODED VIEW (3/3)

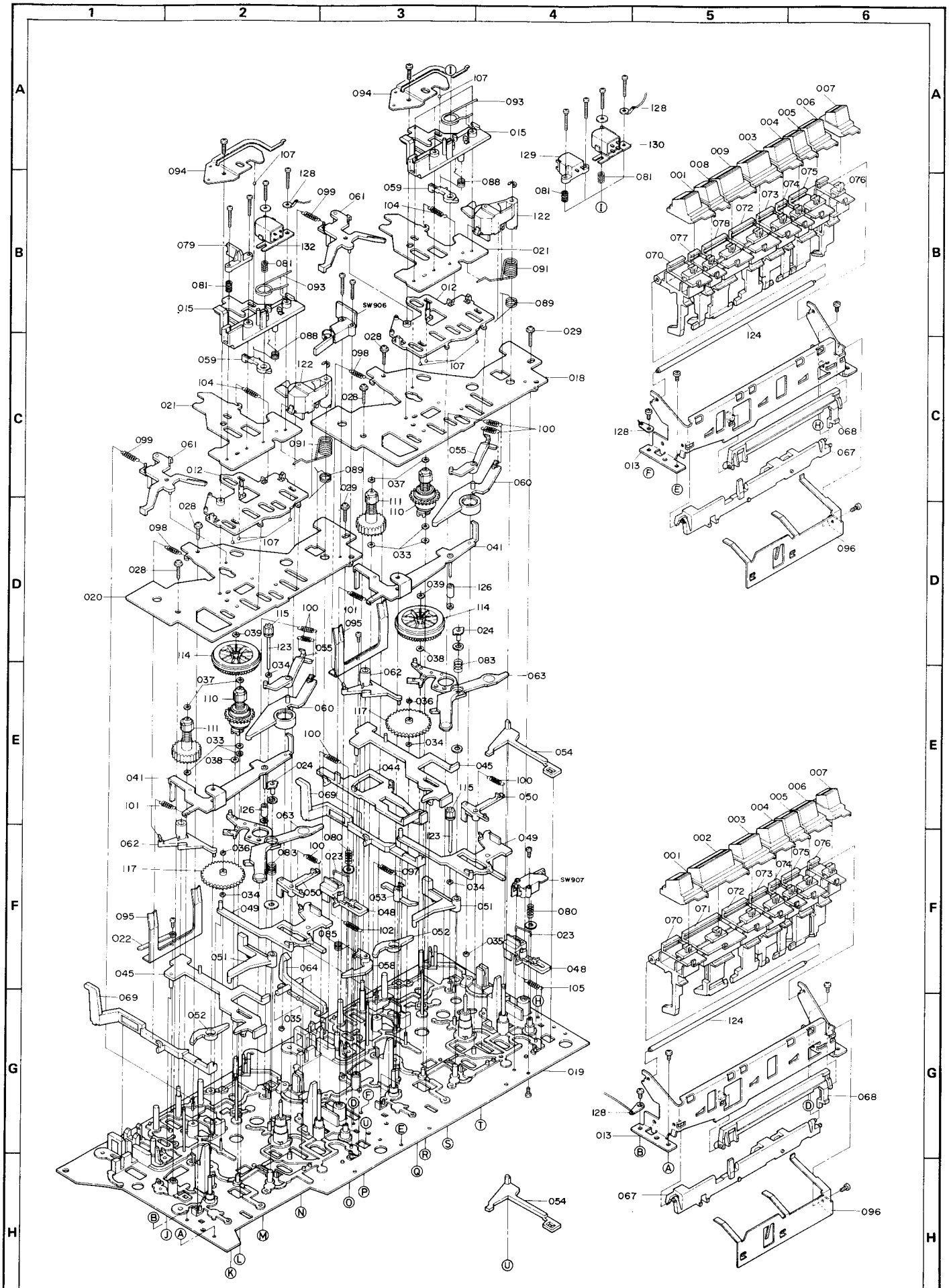


Figure 26 MECHANISM EXPLODED TOP VIEW

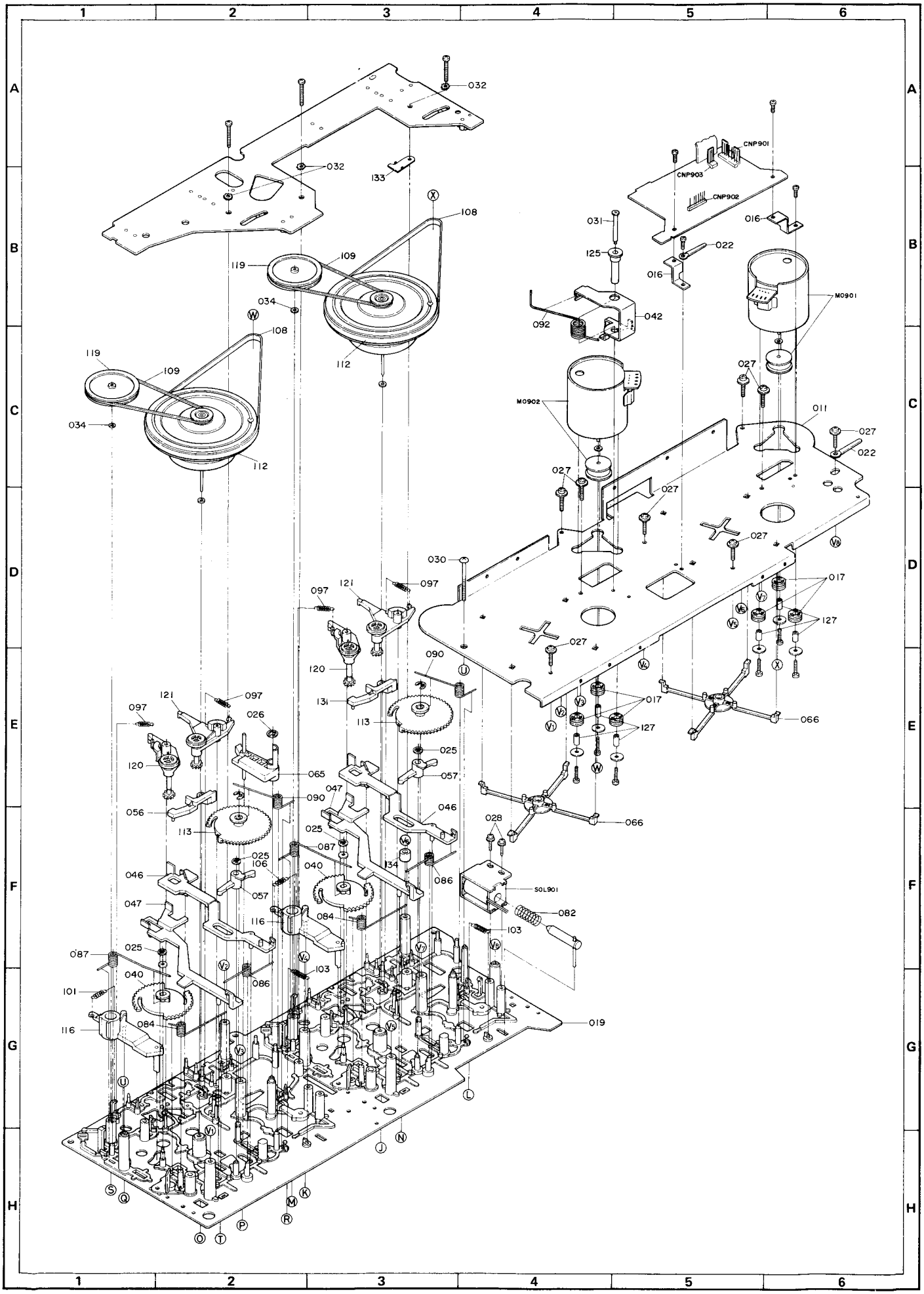


Figure 27 MECHANISM EXPLODED BOTTOM VIEW

REPLACEMENT PARTS LIST FOR GF-575ZB

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION

NOTES:

Parts marked with "⚠" are important for maintaining the safety of the set.
Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF. NO.	PART NO.	DESCRIPTION	CODE
		INTEGRATED CIRCUIT	
IC1	RH-IX1083AFZZ	FM IF Amp. (TA7303P)	AK
IC2	RH-IX1082AFNA	PLL FM MPX Demodualtor (BA1320)	AH
IC201	RH-IX1079AFZZ	Deck 2, Pre-amp. (M51521L)	AG
IC202	VHIM54512L/-1	Deck 2, Muting/Normal Chrome Selector (M54512L)	AF
IC203	VHIM51543P/-1	Record/Playback Amp. (M51543P)	AK
IC301	RH-IX1079AFZZ	Deck 1, Pre-amp. (M51521L)	AG
IC302	VHIM54512L/-1	Deck 1, Mechanism Metal Selector (M54512L)	AF
IC303	VHIM54512L/-1	Deck 1, APLD Muting (M54512L)	AF
IC401	VHIUPC1288H-1	Phono Equalizer Amp. (μPC1288H)	AF
IC501	VHIIR3R20A-1	APLD·APPS Circuit (IR3R20A)	AL
IC601	VHIIR2E01//-1	Level Indicator Amp. (IR2E01)	AH
IC701	VHITA7246AP1F	Audio Power Amp. (TA7246AP)	AP
		TRANSISTORS	
Q1	VS3SK73-GR/-1	FM RF Amp. (3SK73GR)	AF
Q2	VS2SC1923-O-A	FM Local Oscillator (2SC1923O)	AC
Q3	VS2SC1923-O-A	FM Mixer (2SC1923O)	AC
Q4	VS2SC380-Y/-A	FM IF Amp. (2SC380Y)	AB
Q5	VS2SC380-Y/-A	AM Mixer (2SC380Y)	AB
Q6	VS2SC380-O/-A	AM Local Oscillator (2SC380O)	AB
Q7	VS2SC380-O/-A	AM IF Amp. (2SC380O)	AB
Q8	VS2SC380-Y/-A	AM IF Amp. (2SC380Y)	AB
Q203, 204	VS2SC2603-F-1	Record Equalizer Amp. (2SC2603F)	AB
Q205, 206	VS2SC2603-F-1	Switching, High Speed Equalizer (2SC2603F)	AB
Q207, 208	VS2SC2603-F-1	Switching, Normal Speed Equalizer (2SC2603F)	AB
Q209, 210	VS2SC2603-F-1	Switching, Metal Equalizer (2SC2603F)	AB
Q211	VS2SC2603-F-1	Automatic Playback Level Control (2SC2603F)	AB
Q212	VS2SC2603-F-1	Automatic Record Level Control (2SC2603F)	AB
Q213, 214	VS2SC2603-F-1	Muting, Playback Mode (2SC2603F)	AB
Q401, 402	VS2SC2603-F-1	Microphone Amp. (2SC2603F)	AB
Q405	VS2SA1143//-1	Switching, Built-in Microphone Power Supply (2SA1143)	AB
Q504	VS2SC2603-F-1	Muting (2SC2603F)	AB
Q505	VS2SC2603-F-1	Switching, APLD·APPS Circuit Power Supply (2SC2603F)	AB
Q508	VS2SA999-F/-1	APLD·APPS Circuit Power Supply (2SA999F)	AC
Q509, 510	VS2SC2603-F-1	Switching, APLD·APPS Circuit Power Supply (2SC2603F)	AB
Q511	VS2SC2603-F-1	Gain Control (2SC2603F)	AB
Q601, 602	VS2SC1627Y/-A	Bias Oscillator (2SC1627Y)	AC
Q603	VS2SC1627S/-A	Ripple Filter (2SC1627S)	AD
Q604	VS2SD471-L/-A	Constant Voltage Regulated (2SD471L)	AD
Q605	VS2SC2603-F-1	Switching, Dubbing Indicator (2SC2603F)	AB
Q701, 702	VS2SC2691//-1	Muting, Built-in Microphone Mode (2SC2691)	AB
Q901	VS2SB733-K/-A	Deck 1, Motor Drive (2SB733K)	AD
Q902	VS2SB733-K/-A	Deck 2, Motor Drive (2SB733K)	AD
Q903	VS2SB564-L/-A	Deck 1, Motor Stop (2SB564L)	AD
Q904	VS2SB564-L/-A	Deck 2, Motor Stop (2SB564L)	AD
Q905	VS2SC945AP/-A	Deck 1, High Speed Motor Control (2SC945AP)	AB
Q906	VS2SC945AP/-A	Deck 2, High Speed Motor Control (2SC945AP)	AB
Q907	VS2SC945AP/-A	Deck 1, Normal Speed Motor Control (2SC945AP)	AB
Q908	VS2SC945AP/-A	Deck 2, Normal Speed Motor Control (2SC945AP)	AB
Q909	VS2SC945AP/-A	APPS Stop (2SC945AP)	AB
Q910	VS2SC945AQ/-A	Deck 1·Deck 2 Motor Stop (2SC945AQ)	AB
Q911	VS2SC945AQ/-A	High Speed Switching (2SC945AQ)	AB
Q912	VS2SC945AQ/-A	Solenoid Drive (2SC945AQ)	AB
Q913	VS2SD471-K/-A	Solenoid Drive (2SD471K)	AD
		DIODES	
D1, 2	VHD1S2473//-U	Electrostatic Protector (1S2473)	AB
D3	VHC1S2688-BSF	Variable Capacitance, AFC (1S2688B)	AC
D4	VHD1S2473//-U	Overload (1S2473)	AB
D5	VHERD6R8JB3-U	Zener, 6.8V/400mW (RD6.8JB3)	AB
D8	VHD1N60////-U	AM AGC (1N60)	AB
D9	VHERD6R8JB3-U	Zener, 6.8V/400mW (RD6.8JB3)	AB
D10	VHD1N60////-U	AM Detector (1N60)	AB
D11	VHD1N60////-U	Level Shift, AM Tuning (1N60)	AB
D12	VHD1S2473//-U	Switching (1S2473)	AB

REF. NO.	PART NO.	DESCRIPTION	CODE
D13	VHD1S2473//-U	Switching (1S2473)	AB
D201	VHD1S2076//-1	Reverse Current Prevention (1S2076)	AB
D202, 203	VHD1S2076//-1	Automatic Record Level Control (1S2076)	AB
D204, 206, D207, 208, D209, 210	VHD1S2076//-1	Reverse Current Prevention (1S2076)	AB
D301, 302, D303, 305, D306, 307, D308, 309	VHD1S2076//-1	Reverse Current Prevention (1S2076)	AB
D401, 403, D406, 407, D408	VHD1S2076//-1	Reverse Current Prevention (1S2076)	AB
D501, 502, D503, 504, D505	VHPGL105R5/-1	APLD Indicator (GL-105R5)	AH
D506, 508, D509, 512, D513	VHD1S2076//-1	Reverse Current Prevention (1S2076)	AB
D514	VHD1S2076//-1	Clamping (1S2076)	AB
D602	VHERD100JB2-1	Zener, 10V/400mW (RD10JB2)	AB
D603	VHPGL-9PR23-1	FM Stereo Indicator (GL-9PR23)	AC
D604	RH-PX1018AFZZ	Power Indicator (GL-9PR623)	AC
D605	VHERD8R2JB1-1	Zener, 8.2V/400mW (RD8.2JB1)	AB
D606, 607, D608, 609, D610	VHPGL105R54-1	Level Indicator (GL-105R54)	AH
D611	VHD1S2076//-1	Reverse Current Prevention (1S2076)	AB
D612	VHPGL-9NG23-1	Dubbing Indicator (GL-9NG23)	AC
D615, 616, D617, 618	VHD1S2076//-1	Reverse Current Prevention (1S2076)	AB
△ D701A~D	VHD3G4B41//-1	Power Rectifier (3G4B41)	AG
D703	VHD1S2076//-1	Reverse Current Prevention (1S2076)	AB
D901, 902, D903, 904, D905	VHD1S1555V/1G	Reverse Current Prevention (1S1555V)	AB
D906	VHPGL9HY23/-1	Stop Indicator (GL-9HY23)	AC
D907, 908	VHD1S1555V/1G	Reverse Current Prevention (1S1555V)	AB
D909	VHD10E-4///-1	Suge Current Absorber (10E4)	AB
D913, 916, D918	VHD1S1555V/1G	Reverse Current Prevention (1S1555V)	AB
D917	VHD1S2473//-U	Reverse Current Prevention (1S2473)	AB

FILTERS

CF1	RFILF0071AFZZ	FM 1st IF 10.7MHz ±20KHz	AD
CF2	RFILF0071AFZZ	FM 2nd IF 10.7MHz ±20KHz	AD
CF3	RFILA0074AFZZ	AM IF 455KHz ±1KHz	AE

RESISTOR ARRAY

RA501	RMPTC0042AFZZ	680 ohm x 5	AD

TRANSFORMERS

T1	RCILI0289AFZZ	FM IF	AC
T2	RCILI0208AFZZ	FM IF	AC
T3	RCILI0256AFZZ	AM IF	AC
T4	RCILI0170AFZZ	AM IF	AC
△ T701	RTRNP0822AFZZ	Power	AW

REF. NO.	PART NO.	DESCRIPTION	CODE

COILS

L1	RCILA0510AFZZ	FM Antenna	AC
L2, 3	RCILR0342AFZZ	FM RF	AA
L4	RCILB0463AFZZ	FM Local Oscillator	AA
L5	RCILC0072AFZZ	FM RF Choke	AA
L6	VP-CU470K0000	47μH, Choke	AD
L7	RCILA0554AFZZ	AM & SW1 Antenna	AK
L8	RCILA0495AFZZ	SW2 Antenna	AD
L9	RCILB0444AFZZ	AM Local Oscillator	AC
L10	RCILB0357AFZZ	SW1 Local Oscillator	AD
L11	RCILB0601AFZZ	SW2 Local Oscillator	AC
L12	VP-CU470K0000	47μH, Choke	AD
L201, 202	RCILB0610AFZZ	Bias Step-up	AD
L203, 204	RCILZ0104AFZZ	6.8mH	AC
L601	VP-CH102K0000	1mH	AB
L602	RCILB0609AFZZ	Bias Oscillator	AF
L901, 902	RCILF0014AGZZ	47μH	AC

CONTROLS

R21	RVR-M0006SGZZ	50K ohm (B), FM Muting Sensitivity Adjust	AC
R27	RVR-M0004SGZZ	10K ohm (B), Voltage Controlled Oscillator Adjust	AC
VR201		20K ohm (B), Volume (Left)	
VR202		20K ohm (B), Volume (Right)	
VR204 (A, B) VR205 (A, B)	RVR-Z0125AFZZ	100K ohm (A), Treble Tone 100K ohm (A), Bass Tone	AT
VR804		10K ohm (B), Mic Volume	
VR901	RVR-M0337AFZZ	4.7K ohm (B), Deck 1 High Speed Adjust	AC
VR902	RVR-M0337AFZZ	4.7K ohm (B), Deck 1 Normal Speed Adjust	AC
VR903	RVR-M0337AFZZ	4.7K ohm (B), Deck 2 Normal Speed Adjust	AC
VR904	RVR-M0337AFZZ	4.7K ohm (B), Deck 2 High Speed Adjust	AC
C4, 5, C19, 20, C53, 56, C61, 69	RVC-R0070AFZZ	Variable Capacitors, Tuning with Trimmers C4: FM RF Trimmer C19: FM Local Oscillator Trimmer C56: SW1 Antenna Oscillator Trimmer C69: SW1 Local Oscillator Trimmer	AP
C54, 58	RTO-H2058AFZZ	C54: SW2 Antenna Trimmer C58: AM Antenna Trimmer	AD
C60	RVC-Z0054AFZZ	Variable Capacitor, Fine Tuning	AG
C67	RTO-H1073AFZZ	SW2 Local Oscillator Trimmer	AC
C71	RTO-H1073AFZZ	AM Local Oscillator Trimmer	AC

ELECTROLYTIC CAPACITORS

C14	RC-EZV106AF1H	10MFD, 50V, ±20%	AB
C23, 30	RC-EZV105AF1H	1MFD, 50V, ±20%	AB
C32	RC-EZV476AF1C	47MFD, 16V, ±10%	AB
C36	RC-EZV475AF1H	4.7MFD, 50V, ±20%	AB
C37, 39	RC-EZV335AF1H	3.3MFD, 50V, ±20%	AB
C40	VCEALV1HW474M	0.47MFD, 50V, ±20%	AB
C41	VCEALV1HW224M	0.22MFD, 50V, ±20%	AB
C43	RC-EZV337AF1C	330MFD, 16V, ±20%	AC
C49, 52, 82	RC-EZV475AF1H	4.7MFD, 50V, ±20%	AB
C88	RC-EZV107AF1A	100MFD, 10V, ±20%	AB
C91	VCEALV1HW104M	0.1MFD, 50V, ±20%	AB
C201, 202	VCAATA0JF475X	4.7MFD, 6.3V, +40 −20%, Aluminum	AC

REF. NO.	PART NO.	DESCRIPTION	CODE
C203, 204	RC-EZA107AF1A	100MFD, 10V, ±20%	AB
C211, 212	VCEALA1HW105M	1MFD, 50V, ±20%	AB
C217, 218	RC-EZA105AF1H	1MFD, 50V, ±20%	AB
C221, 222	RC-EZA226AF1C	22MFD, 16V, ±20%	AG
C223, 224	RC-EZA475AF1E	4.7MFD, 25V, ±20%	AB
C225, 226	RC-EZA105AF1H	1MFD, 50V, ±20%	AB
C227	RC-EZA335AF1E	3.3MFD, 25V, ±20%	AB
C228	RC-EZA107AF1A	100MFD, 10V, ±20%	AB
C231, 232, C233, 234, C235, 236	RC-EZA106AF1C	10MFD, 16V, ±20%	AB
C251	RC-EZA107AF1C	100MFD, 16V, ±20%	AB
C252	RC-EZA105AF1H	1MFD, 50V, ±20%	AB
C253	RC-EZV477AF1C	470MFD, 16V, ±20%	AC
C254	RC-EZV227AF1C	220MFD, 16V, ±20%	AB
C261	VCEALV1HW684M	0.68MFD, 50V, ±20%	AB
C301, 302	RC-EZA107AF1A	100MFD, 10V, ±20%	AB
C305, 306	VCAATA0JF475X	4.7MFD, 6.3V, +40 −20%, Aluminum	AC
C313, 314	RC-EZA106AF1C	10MFD, 16V, ±20%	AB
C321	RC-EZA107AF1C	100MFD, 16V, ±20%	AB
C322	RC-EZA105AF1H	1MFD, 50V, ±20%	AB
C361, 362, C363, 364	VCEALA1HW104M	0.1MFD, 50V, ±20%	AB
C401, 402	RC-EZA475AF1E	4.7MFD, 25V, ±20%	AB
C403, 404	VCEALA1HW334M	0.33MFD, 50V, ±20%	AB
C407, 408	VCEALA1HW104M	0.1MFD, 50V, ±20%	AB
C409	RC-EZV227AF1C	220MFD, 16V, ±20%	AB
C410	RC-EZA106AF1C	10MFD, 16V, ±20%	AB
C451, 452	RC-EZA476AF1A	47MFD, 10V, ±20%	AB
C453, 454	RC-EZA475AF1E	4.7MFD, 25V, ±20%	AB
C461, 462	RC-EZA106AF1C	10MFD, 16V, ±20%	AB
C463	RC-EZA107AF1C	100MFD, 16V, ±20%	AB
C510	VCEALA1HW475M	4.7MFD, 50V, ±20%	AB
C511	VCEALA1HW104M	0.1MFD, 50V, ±20%	AB
C512	VCEALA1HW474M	0.47MFD, 50V, ±20%	AB
C513	RC-EZA106AF1E	10MFD, 25V, ±20%	AB
C514	RC-EZA475AF1E	4.7MFD, 25V, ±20%	AB
C524	RC-EZA105AF1H	1MFD, 50V, ±20%	AB
C525	RC-EZA476AF1C	47MFD, 16V, ±20%	AB
C526	RC-EZA106AF1C	10MFD, 16V, ±20%	AB
C528	RC-EZA476AF1E	47MFD, 25V, ±20%	AB
C532	VCEALV1HW224M	0.22MFD, 50V, ±20%	AB
C533	VCEALA1HW475M	4.7MFD, 50V, ±20%	AB
C550	VCEALV1HW334M	0.33MFD, 50V, ±20%,	AB
C601	RC-EZA106AF1C	10MFD, 16V, ±20%	AB
C603	RC-EZA475AF1E	4.7MFD, 25V, ±20%	AB
C604	RC-EZA475AF1E	4.7MFD, 25V, ±20%	AB
C607	RC-EZV227AF1E	220MFD, 25V, ±20%	AC
C608	RC-EZA476AF1C	47MFD, 16V, ±20%	AB
C611	RC-EZA107AF1E	100MFD, 25V, ±20%	AC
C614	RC-EZA475AF1E	4.7MFD, 25V, ±20%	AB
C616	RC-EZA476AF1C	47MFD, 16V, ±20%	AB
C619	RC-EZA106AF1C	10MFD, 16V, ±20%	AB
C630	RC-EZA107AF1E	100MFD, 25V, ±20%	AB
C701, 702	RC-EZA475AF1E	4.7MFD, 25V, ±20%	AB
C703, 704	RC-EZA476AF1A	47MFD, 10V, ±20%	AB
C705, 706	RC-EZV108AF1C	1000MFD, 16V, ±20%	AD
C711	RC-EZA107AF1C	100MFD, 16V, ±20%	AB
C713	RC-EZV107AF1C	100MFD, 16V, ±20%	AB
C714	RC-EZW338AF1E	3300MFD, 25V, ±20%	AH
C715, 716	RC-EZA476AF1A	47MFD, 10V, ±20%	AB
C720	RC-EZV106AF1C	10MFD, 16V, ±20%	AB
C901, 902	RC-EZV476AF1E	47MFD, 25V, ±20%	AB

CAPACITORS

* Tubular type ceramic capacitor is identified by the symbol MF of the part No. VCKYMF0000000; this MF does not means the lead wire.

C1	VCTYMF1HV472N	0.0047MFD, 50V, ±30%	AA

REF. NO.	PART NO.	DESCRIPTION	CODE
C2	VCCSMF1HL3R3C	3.3PF, 50V, ±0.25PF	AA
C3	VCCSMF1HL270J	27PF, 50V, ±5%	AA
C6, 7	VCTYMF1HV472N	0.0047MFD, 50V, ±30%	AA
C8	VCCSMF1HL4R7C	4.7PF, 50V, ±0.25PF	AA
C9	VCCSMF1HL1R0C	1PF, 50V, ±0.25PF	AA
C10	VCCCMF1HH1R0C	1PF (CH), 50V, ±0.25PF	AA
C11	VCTYMF1CY223N	0.022MFD, 16V, ±30%	AA
C12	VCTYMF1HV472N	0.0047MFD, 50V, ±30%	AA
C13	VCTYMF1EX103N	0.01MFD, 25V, ±30%	AA
C15	VCTYMF1HV472N	0.0047MFD, 50V, ±30%	AA
C16	VCCUMF1HJ150J	15PF (UJ), 50V, ±5%	AA
C17	VCCCMF1HH150J	15PF (CH), 50V, ±5%	AA
C18	VCCCMF1HH220J	22PF (CH), 50V, ±5%	AA
C21	VCCCMF1HH180J	18PF (CH), 50V, ±5%	AA
C22	VCCCMF1HH5R6D	5.6PF (CH), 50V, ±0.5PF	AA
C24	VCTYMF1CY223N	0.022MFD, 16V, ±30%	AA
C25, 26	VCTYMF1EX103N	0.01MFD, 25V, ±30%	AA
C27	VCTYMF1EX153M	0.015MFD, 25V, ±20%	AA
C28, 29	VCTYMF1EX103N	0.01MFD, 25V, ±30%	AA
C31	VCCCMF1HH100J	10PF (CH), 50V, ±5%	AA
C33	VCTYMF1CY223N	0.022MFD, 16V, ±30%	AA
C34	VCTYMF1EX153M	0.015MFD, 25V, ±20%	AA
C35	VCKYMF1HB221K	220PF, 50V, ±10%	AA
C38	VCTYPV1EX473M	0.047MFD, 25V, ±20%, Semiconductor	AB
C42	VCQSMV1HL471J	470PF, 50V, ±5%, Styrol	AB
C44, 45	VCTYMF1CY223N	0.022MFD, 16V, ±30%	AA
C46	VCTYMF1EX103M	0.01MFD, 25V, ±20%	AA
C47	VCKYMF1HB471K	470PF, 50V, ±10%	AA
C48, 50	VCTYMF1EX153M	0.015MFD, 25V, ±20%	AA
C51	VCKYMF1HB471K	470PF, 50V, ±10%	AA
C55	VCCSMF1HL8R2D	8.2PF, 50V, ±0.25PF	AA
C57	VCCSMF1HL4R7C	4.7PF, 50V, ±0.25PF	AA
C59	VCCCMF1HH6R8D	6.8PF (CH), 50V, ±0.5PF	AA
C62	VCCCPV1HH331J	330PF (CH), 50V, ±5%, Ceramic	AC
C63	VCCCMF1HH330J	33PF (CH), 50V, ±5%	AA
C64	VCTYMF1HV152K	0.0015MFD, 50V, ±10%	AA
C65	VCTYMF1HV472K	0.0047MFD, 50V, ±10%	AA
C66	VCCCMF1HH2R2C	2.2PF (CH), 50V, ±0.25PF	AA
C68	VCCUMF1HJ8R2D	8.2PF (UJ), 50V, ±0.5PF	AA
C70	VCCUMF1HJ100J	10PF (UJ), 50V, ±5%	AA
C72	VCTYMF1CY223N	0.022MFD, 16V, ±30%	AA
C73	VCKYMF1HB102K	0.001MFD, 50V, ±10%	AA
C74	VCTYMF1CY223N	0.022MFD, 16V, ±30%	AA
C75	VCTYMF1HV332K	0.0033MFD, 50V, ±10%	AA
C76	VCTYPV1EX223M	0.022MFD, 25V, ±20%, Semiconductor	AA
C77	VCTYMF1CY223N	0.022MFD, 16V, ±30%	AA
C78	VCTYMF1EX103M	0.01MFD, 25V, ±20%	AA
C79	VCTYMF1CY223N	0.022MFD, 16V, ±30%	AA
C80	VCCSMF1HL330J	33PF, 50V, ±5%	AA
C81, 83	VCTYMF1CY223N	0.022MFD, 16V, ±30%	AA
C84	VCTYMF1HV222M	0.0022MFD, 50V, ±20%	AA
C85, 86, 87	VCTYMF1CY223N	0.022MFD, 16V, ±30%	AA
C89, 90	VCTYMF1EX103M	0.01MFD, 25V, ±20%	AA
C92	VCTYMF1EX103N	0.01MFD, 25V, ±30%	AA
C94	VCTYMF1EX153M	0.015MFD, 25V, ±20%	AA
C95	VCCSMF1HL4R7C	4.7PF, 50V, ±0.25PF	AA
C96	VCCCMF1HH2R2C	2.2PF (CH), 50V, ±0.25PF	AA
C97	VCTYMF1EX153M	0.015MFD, 25V, ±20%	AA
C205, 206	VCKYAT1HB221K	220PF, 50V, ±10%, Ceramic	AA
C207, 208	VCKYAT1HB391K	390PF, 50V, ±10%, Ceramic	AA
C209, 210	VCTYPA1EX153K	0.015MFD, 25V, ±10%, Semiconductor	AA
C213, 214	VCTYPA1EX273K	0.027MFD, 25V, ±10%, Semiconductor	AA
C215, 216	VCKYAT1HB681K	680PF, 50V, ±10%, Ceramic	AA
C219, 220	VCKYAT1HB221K	220PF, 50V, ±10%, Ceramic	AA
C229, 230	VCKYPA1HB681K	680PF, 50V, ±10%, Ceramic	AA
C237, 238	VCTYAT1EX682K	0.0068MFD, 25V, ±10%, Semiconductor	AA

REF. NO.	PART NO.	DESCRIPTION	CODE
C239, 240	VCTYAT1EX123K	0.012MFD, 25V, ±10%, Semiconductor	AB
C249, 250	VCKYAT1HB681K	680PF, 50V, ±10%, Ceramic	AA
C255, 256	VCTYPA1EX273K	0.027MFD, 25V, ±10%, Semiconductor	AA
C303, 304	VCKYAT1HB221K	220PF, 50V, ±10%, Ceramic	AA
C307, 308	VCKYAT1HB391K	390PF, 50V, ±10%, Ceramic	AA
C311, 312	VCTYPA1EX153K	0.015MFD, 25V, ±10%, Semiconductor	AA
C315, 316	VCTYPA1EX123K	0.012MFD, 25V, ±10%, Semiconductor	AA
C319, 320	VCTYPA1EX153K	0.015MFD, 25V, ±10%, Semiconductor	AA
C351, 352	VCTYAT1HV152K	0.0015MFD, 50V, ±10%, Semiconductor	AA
C353, 354	VCTYPU1EX123K	0.012MFD, 25V, ±10%, Semiconductor	AA
C355, 356	VCTYAT1CX223N	0.022MFD, 16V, ±30%, Semiconductor	AA
C357, 358	VCTYPU1EX823K	0.082MFD, 25V, ±10%, Semiconductor	AB
C359, 360	VCTYPA1EX562K	0.0056MFD, 25V, ±10%, Semiconductor	AA
C405, 406	VCKYAT1HB221K	220PF, 50V, ±10%, Ceramic	AA
C411, 412	VCCSPV1HL331J	330PF, 50V, ±5%, Ceramic	AA
C455, 456	VCKYAT1HB221K	220PF, 50V, ±10%, Ceramic	AA
C457, 458	VCTYPA1EX822K	0.0082MFD, 25V, ±10%, Semiconductor	AA
C459, 460	VCTYPA1EX273K	0.027MFD, 25V, ±10%, Semiconductor	AA
C465	VCCSPV1HL330J	33PF, 50V, ±5%, Ceramic	AA
C466	VCCSPA1HL330J	33PF, 50V, ±5%, Ceramic	AA
C503	VCTYPV1EX104K	0.1MFD, 25V, ±10%, Semiconductor	AB
C505	VCKYPV1HB561K	560PF, 50V, ±10%, Ceramic	AA
C523	VCCCPV1HH6R0C	6PF (CH), 50V, ±0.25PF, Ceramic	AB
C529	VCTYPV1EX104K	0.1MFD, 25V, ±10%, Semiconductor	AB
C602	VCTYAT1HV472K	0.0047MFD, 50V, ±10%, Semiconductor	AA
C605	VCTYPA1EX103K	0.01MFD, 25V, ±10%, Semiconductor	AA
C606	VCQYKV1HM103K	0.01MFD, 50V, ±10%, Mylar	AA
C609	VCTYAT1EX103K	0.01MFD, 25V, ±10%, Semiconductor	AA
C610	VCKZPV1HF103Z	0.01MFD, 50V, +80 −20%, Ceramic	AA
C612	VCQPKQ2AA822J	0.0082MFD, 100V, ±5%, Polypropylene	AB
C613	VCQPKQ2AA102J	0.001MFD, 100V, ±5%, Polypropylene	AB
C615, 617	VCKZPV1HF103Z	0.01MFD, 50V, +80 −20%, Ceramic	AA
C618	VCTYPA1EX103K	0.01MFD, 25V, ±10%, Semiconductor	AA
C620	VCKZPV1HF103Z	0.01MFD, 50V, +80 −20%, Ceramic	AA
C621	VCKYAT1HB102K	0.001MFD, 50V, ±10%, Ceramic	AA
C622	VCCSPV1HL271J	270PF, 50V, ±5%, Ceramic	AA
C625	VCKZPU1HF102Z	0.001MFD, 50V, +80 −20%, Ceramic	AA
C626	VCKZPV1HF103Z	0.01MFD, 50V, +80 −20%, Ceramic	AA
C708, 709	VCQYKW1HM104K	0.1MFD, 50V, ±10%, Mylar	AB
C717, 718	VCKYPV1HB471K	470PF, 50V, ±10%, Ceramic	AA
C751, 753, C754, 755	VCKZPV1HF103Z	0.01MFD, 50V, +80 −20%, Ceramic	AA
C903	VCKZPV1HF102Z	0.001MFD, 50V, +80 −20%, Ceramic	AA
C904	VCKZPU1HF102Z	0.001MFD, 50V, +80 −20%, Ceramic	AA

RESISTORS

* Tubular type carbon film resistor (1/4W, ±5%) is identified by the symbol MF of the part No. VRD-MF0000000; this MF does not mean the lead wire.

REF. NO.	PART NO.	DESCRIPTION	CODE
R1	VRD-MF2EE223J	22K ohm	
R2	VRD-MF2EE330J	33 ohm	
R3	VRD-MF2EE823J	82K ohm	
R4	VRD-MF2EE101J	100 ohm	
R5	VRD-MF2EE820J	82 ohm	
R6	VRD-MF2EE102J	1K ohm	
R7	VRD-MF2EE394J	390K ohm	
R8	VRD-MF2EE102J	1K ohm	
R9	VRD-MF2EE471J	470 ohm	
R10	VRD-MF2EE562J	5.6K ohm	
R11	VRD-MF2EE104J	100K ohm	
R12	VRD-MF2EE103J	10K ohm	
R13	VRD-MF2EE104J	100K ohm	
R14	VRD-MF2EE334J	330K ohm	
R15	VRD-MF2EE221J	220 ohm	
R16	VRD-MF2EE102J	1K ohm	
R17	VRD-MF2EE474J	470K ohm	
R18	VRD-MF2EE102J	1K ohm	
R19	VRD-MF2EE221J	220 ohm	
R20	VRD-MF2EE103J	10K ohm	
R22	VRD-MF2EE151J	150 ohm	
R23	VRD-MF2EE332J	3.3K ohm	
R24	VRD-MF2EE474J	470K ohm	
R25	VRD-MF2EE392J	3.9K ohm	
R26	VRD-MF2EE183J	18K ohm	
R28	VRD-MF2EE153J	15K ohm	
R29	VRD-MF2EE471J	470 ohm	
R30	VRD-MF2EE102J	1K ohm	
R31	VRD-MF2EE561J	560 ohm	
R32	VRD-MF2EE332J	3.3K ohm	AA
R33, 34	VRD-MF2EE152J	1.5K ohm	
R35, 36	VRD-MF2EE103J	10K ohm	
R37	VRD-MF2EE332J	3.3K ohm	
R38, 39	VRD-MF2EE152J	1.5K ohm	
R40, 41	VRD-MF2EE103J	10K ohm	
R42	VRD-MF2EE221J	220 ohm	
R43	VRD-MF2EE271J	270 ohm	
R44	VRD-MF2EE102J	1K ohm	
R45	VRD-MF2EE101J	100 ohm	
R46	VRD-MF2EE122J	1.2K ohm	
R47	VRD-MF2EE332J	3.3K ohm	
R48	VRD-MF2EE100J	10 ohm	
R49	VRD-MF2EE683J	68K ohm	
R50	VRD-MF2EE274J	270K ohm	
R51	VRD-RE2EE100J	10 ohm, 1/4W, ±5%, Carbon	
R52	VRD-MF2EE122J	1.2K ohm	
R53, 54	VRD-MF2EE102J	1K ohm	
R55	VRD-MF2EE681J	680 ohm	
R56	VRD-MF2EE121J	120 ohm	
R57	VRD-MF2EE100J	10 ohm	
R58	VRD-MF2EE274J	270K ohm	
R59	VRD-MF2EE102J	1K ohm	
R60	VRD-MF2EE103J	10K ohm	
R61	VRD-MF2EE222J	2.2K ohm	
R62	VRD-MF2EE391J	390 ohm	
R63	VRD-MF2EE152J	1.5K ohm	
R64	VRD-MF2EE334J	330K ohm	
R65	VRD-MF2EE471J	470 ohm	
R66	VRD-MF2EE221J	220 ohm	
R67	VRD-MF2EE102J	1K ohm	
R68	VRD-MF2EE563J	56K ohm	
R69	VRD-MF2EE123J	12K ohm	
R70	VRD-MF2EE562J	5.6K ohm	
R71	VRD-MF2EE471J	470 ohm	
R72	VRD-MF2EE182J	1.8K ohm	
R73	VRD-MF2EE822J	8.2K ohm	
R74	VRD-MF2EE332J	3.3K ohm	
R75	VRD-MF2EE473J	47K ohm	
R76	VRD-RE2EE271J	270 ohm, 1/4W, ±5%, Carbon	
R77	VRD-MF2EE103J	10K ohm	
R78	VRD-MF2EE471J	470 ohm	
	VRD-MF2EE000C	0 ohm (Jumper)	
R201, 202	VRD-ST2EE100J	10 ohm, 1/4W, ±5%, Carbon	
R203, 204	VRD-ST2EE271J	270 ohm, 1/4W, ±5%, Carbon	
R207, 208	VRD-ST2EE822J	8.2K ohm, 1/4W, ±5%, Carbon	
R209, 210	VRD-ST2EE154J	150K ohm, 1/4W, ±5%, Carbon	
R211, 212	VRD-ST2EE332J	3.3K ohm, 1/4W, ±5%, Carbon	
R213, 214	VRD-ST2EE472J	4.7K ohm, 1/4W, ±5%, Carbon	
R217, 218, R219, 220	VRD-ST2EE103J	10K ohm, 1/4W, ±5%, Carbon	
R221, 222	VRD-ST2EE823J	82K ohm, 1/4W, ±5%, Carbon	
R223, 224	VRD-ST2EE471J	470 ohm, 1/4W, ±5%, Carbon	
R225, 226	VRD-ST2EE272J	2.7K ohm, 1/4W, ±5%, Carbon	
R227, 228	VRD-ST2EE332J	3.3K ohm, 1/4W, ±5%, Carbon	
R229, 230	VRD-ST2EE123J	12K ohm, 1/4W, ±5%, Carbon	
R235, 236	VRD-ST2EE393J	39K ohm, 1/4W, ±5% Carbon	AA
R241, 242	VRD-ST2EE224J	220K ohm, 1/4W, ±5%, Carbon	
R243, 244	VRD-ST2EE823J	82K ohm, 1/4W, ±5%, Carbon	
R245, 246	VRD-ST2EE472J	4.7K ohm, 1/4W, ±5%, Carbon	
R247, 248	VRD-ST2EE222J	2.2K ohm, 1/4W, ±5%, Carbon	
R251, 252	VRD-ST2EE221J	220 ohm, 1/4W, ±5%, Carbon	
R253, 254	VRD-ST2EE101J	100 ohm, 1/4W, ±5%, Carbon	
R255, 256	VRD-ST2EE272J	2.7K ohm, 1/4W, ±5%, Carbon	
R261, 262	VRD-ST2EE472J	4.7K ohm, 1/4W, ±5%, Carbon	
R265, 266	VRD-ST2EE182J	1.8K ohm, 1/4W, ±5%, Carbon	
R275, 276	VRD-ST2EE103J	10K ohm, 1/4W, ±5%, Carbon	
R279, 280	VRD-ST2EE273J	27K ohm, 1/4W, ±5%, Carbon	
R281	VRD-ST2EE561J	560 ohm, 1/4W, ±5%, Carbon	
R282	VRD-ST2HD560J	56 ohm, 1/2W, ±5%, Carbon	
R283	VRD-ST2EE564J	560K ohm, 1/4W, ±5%, Carbon	
R284	VRD-ST2EE822J	8.2K ohm, 1/4W, ±5%, Carbon	
R285	VRD-ST2EE183J	18K ohm, 1/4W, ±5%, Carbon	
R288	VRD-ST2EE221J	220 ohm, 1/4W, ±5%, Carbon	
R289, 290	VRD-ST2EE272J	2.7K ohm, 1/4W, ±5%, Carbon	
R301, 302	VRD-ST2EE221J	220 ohm, 1/4W, ±5%, Carbon	
R305, 306	VRD-ST2EE682J	6.8K ohm, 1/4W, ±5%, Carbon	
R307, 308	VRD-ST2EE822J	8.2K ohm, 1/4W, ±5%, Carbon	
R313, 314	VRD-ST2EE154J	150K ohm, 1/4W, ±5%, Carbon	
R319, 320	VRD-ST2EE332J	3.3K ohm, 1/4W, ±5%, Carbon	
R321, 322	VRD-ST2EE472J	4.7K ohm, 1/4W, ±5%, Carbon	
R323, 324	VRD-ST2EE332J	3.3K ohm, 1/4W, ±5%, Carbon	
R331	VRD-ST2EE561J	560 ohm, 1/4W, ±5%, Carbon	
R351, 352	VRD-ST2EE102J	1K ohm, 1/4W, ±5%, Carbon	
R353, 354	VRD-ST2EE223J	22K ohm, 1/4W, ±5%, Carbon	
R355, 356	VRD-ST2EE272J	2.7K ohm, 1/4W, ±5%, Carbon	
R357, 358	VRD-ST2EE222J	2.2K ohm, 1/4W, ±5%, Carbon	
R359, 360	VRD-ST2EE332J	3.3K ohm, 1/4W, ±5%, Carbon	
R401, 402	VRD-ST2EE103J	10K ohm, 1/4W, ±5%, Carbon	AA
R405, 406	VRD-ST2EE334J	330K ohm, 1/4W, ±5%, Carbon	
R407, 408	VRD-ST2EE220J	22 ohm, 1/4W, ±5%, Carbon	
R409, 410	VRD-ST2EE392J	3.9K ohm, 1/4W, ±5%, Carbon	
R415, 416	VRD-ST2EE183J	18K ohm, 1/4W, ±5%, Carbon	
R417, 418	VRD-ST2EE102J	1K ohm, 1/4W, ±5%, Carbon	
R419, 420	VRD-ST2EE182J	1.8K ohm, 1/4W, ±5%, Carbon	
R421	VRD-ST2EE222J	2.2K ohm, 1/4W, ±5%, Carbon	
R422	VRD-ST2EE182J	1.8K ohm, 1/4W, ±5%, Carbon	
R424	VRD-ST2EE102J	1K ohm, 1/4W, ±5%, Carbon	
R425, 426	VRD-ST2EE333J	33K ohm, 1/4W, ±5%, Carbon	
R451	VRD-ST2EE473J	47K ohm, 1/4W, ±5%, Carbon	
R452	VRD-RU2EE473J	47K ohm, 1/4W, ±5%, Carbon	
R455, 456	VRD-ST2EE151J	150 ohm, 1/4W, ±5%, Carbon	
R459, 460	VRD-ST2EE103J	10K ohm, 1/4W, ±5%, Carbon	
R461, 462	VRD-ST2EE823J	82K ohm, 1/4W, ±5%, Carbon	
R463, 464	VRD-ST2EE124J	120K ohm, 1/4W, ±5%, Carbon	
R467	VRD-ST2EE561J	560 ohm, 1/4W, ±5%, Carbon	

REF. NO.	PART NO.	DESCRIPTION	CODE
R469, 470	VRD-ST2EE103J	10K ohm, 1/4W, ±5%, Carbon	AA
R507	VRD-ST2EE334J	330K ohm, 1/4W, ±5%, Carbon	
R508	VRD-ST2EE333J	33K ohm, 1/4W, ±5%, Carbon	
R512	VRD-ST2EE473J	47K ohm, 1/4W, ±5%, Carbon	
R514	VRD-ST2EE151J	150 ohm, 1/4W, ±5%, Carbon	
R530	VRD-ST2EE683J	68K ohm, 1/4W, ±5%, Carbon	
R531	VRD-ST2EE562J	5.6K ohm, 1/4W, ±5%, Carbon	
R532	VRD-ST2EE181J	180 ohm, 1/4W, ±5%, Carbon	
R544	VRD-ST2EE331J	330 ohm, 1/4W, ±5%, Carbon	
R552	VRD-ST2EE271J	270 ohm, 1/4W, ±5%, Carbon	
R560	VRD-SU2EE820J	82 ohm, 1/4W, ±5%, Carbon	
R601	VRD-ST2EE822J	8.2K ohm, 1/4W, ±5%, Carbon	
R602	VRD-ST2EE682J	6.8K ohm, 1/4W, ±5%, Carbon	
R605	VRD-ST2EE224J	220K ohm, 1/4W, ±5%, Carbon	
R606	VRD-ST2EE153J	15K ohm, 1/4W, ±5%, Carbon	
⚠ R607	VRG-ST2ED4R7J	4.7 ohm, 1/4W, ±5%, Fusible	AB
R608	VRD-ST2EE151J	150 ohm, 1/4W, ±5%, Carbon	AA
R609, 610	VRD-ST2EE100J	10 ohm, 1/4W, ±5%, Carbon	
R612	VRD-ST2EE102J	1K ohm, 1/4W, ±5%, Carbon	
R613, 614	VRD-ST2EE103J	10K ohm, 1/4W, ±5%, Carbon	
⚠ R615	VRG-ST2EC100J	10 ohm, 1/4W, ±5%, Fusible	AB
R616	VRD-ST2EE1R0J	1 ohm, 1/4W, ±5%, Carbon	AA
R617	VRD-ST2EE222J	2.2K ohm, 1/4W, ±5%, Carbon	
R618	VRD-ST2EE102J	1K ohm, 1/4W, ±5%, Carbon	
R619	VRD-ST2EE471J	470 ohm, 1/4W, ±5%, Carbon	
R621	VRD-ST2EE101J	100 ohm, 1/4W, ±5%, Carbon	
R622	VRD-ST2EE102J	1K ohm, 1/4W, ±5%, Carbon	
⚠ R623	VRG-ST2EC150J	15 ohm, 1/4W, ±5%, Fusible	AB
R624	VRD-ST2EE681J	680 ohm, 1/4W, ±5%, Carbon	AA
R625	VRD-ST2EE473J	47K ohm, 1/4W, ±5%, Carbon	
R627	VRD-ST2EE821J	820 ohm, 1/4W, ±5%, Carbon	
R631	VRD-ST2EE271J	270 ohm, 1/4W, ±5%, Carbon	
R701, 702	VRD-ST2EE221J	220 ohm, 1/4W, ±5%, Carbon	
R703, 704	VRD-ST2EE221J	220 ohm, 1/4W, ±5%, Carbon	
R711, 712	VRD-ST2EE100J	10 ohm, 1/4W, ±5%, Carbon	
R901, 902	VRD-ST2EE182J	1.8K ohm, 1/4W, ±5%, Carbon	AA
R905, 906	VRD-ST2EE102J	1K ohm, 1/4W, ±5%, Carbon	
R907, 908	VRD-ST2EE101J	100 ohm, 1/4W, ±5%, Carbon	
R909, 910	VRD-ST2EE223J	22K ohm, 1/4W, ±5%, Carbon	
R911, 912	VRD-ST2EE562J	5.6K ohm, 1/4W, ±5%, Carbon	
R913, 914, R915, 916	VRD-ST2EE224J	220K ohm, 1/4W, ±5%, Carbon	
R918	VRD-ST2EE822J	8.2K ohm, 1/4W, ±5%, Carbon	
R919	VRD-ST2EE153J	15K ohm, 1/4W, ±5%, Carbon	
R920	VRD-ST2EE104J	100K ohm, 1/4W, ±5%, Carbon	
R921	VRD-RU2EE153J	15K ohm, 1/4W, ±5%, Carbon	
R922	VRD-ST2EE153J	15K ohm, 1/4W, ±5%, Carbon	
R923	VRD-ST2EE223J	22K ohm, 1/4W, ±5%, Carbon	
R924	VRD-ST2EE221J	220 ohm, 1/4W, ±5%, Carbon	
R925	VRD-ST2EE820J	82 ohm, 1/4W, ±5%, Carbon	

OTHER CIRCUITRY PARTS

CNP1	QCNCM0806SGZZ	Plug, 8 Pin	AC
CNP201	QCNCM0402SGZZ	Plug, 4 Pin	AB
CNP202	QCNCM136CAFZZ	Plug, 3 Pin	AB
CNP203	QCNCM398BAFZZ	Plug, 2 Pin	AB
CNP601	QCNCM095BAFZZ	Plug, 2 Pin	AB
CNP701	QCNCM238HAFZZ	Plug, 8 Pin	AD
CNP901	QCNCM133GAFZZ	Plug, 7 Pin	AD
CNP902	QCNCM0705SGZZ	Plug, 7 Pin	AC
CNP903	QCNCM136CAFZZ	Plug, 3 Pin	AB
CNS1	CCNCW408LAF01	Socket 8 Pin/Plug 11 Pin/ Tips with Wire Leads Assembly	AH
CNS201	QCNW-1318AFZZ	Socket, 4 Pin with Wire Leads	AG
CNS202	QCNW-1317AFZZ	Socket, 3 Pin with Wire Leads	AG
CNS203	QCNW-1319AFZZ	Socket, 2 Pin with Wire Leads	AE
CNS601	QCNW-1444AFZZ	Socket, 2 Pin with Wire Leads	AD
CNS701	QCNW-1445AFZZ	Socket, 8 Pin with Wire Leads	AM
CNS901, CNS902	CCNCW280GAF04	Socket 7 Pin x 2/Plug 3 Pin x 2/Plug 7 Pin/ Tips with Wire Leads Assembly	AL
CNS903	CCNCW357EAF01	Socket 3 Pin/Plug 2 Pin/ Plug 5 Pin/Tips with Wire Leads Assembly	AF
⚠F701	QFS-C162EAFNI	Fuse, 1.6A	AD
J401	QJAKE0091AFZZ	Socket, External Microphone	AE
J402	QJAKE0091AFZZ	Socket, Mixing Microphone	AE
J403 (A, B)		Sockets, Line Input/Phono Input	
J403 (C) J403 (D, E)	QJAKZ0116AFZZ	Terminal, Earthing Sockets, Line Output	AG
J701	QJAKJ0106AFZZ	Socket, Headphones	AF
J702, 703	QJAKB0056AFZZ	Sockets, External Speaker	AE

REF. NO.	PART NO.	DESCRIPTION	CODE
MO901, 902	RMOTV0110AF01	Motor with Motor Pulley	AW
SOL901	RPLU-0126AFZZ	Solenoid	AK
⚠ SO751, 752	QSOCE0561AFZZ	AC Input/DC 15V Input	AH
SP1, 2	VSP0016PB51SA	Speaker, Woofer	AU
SW1 (A~H)	QSW-R0194AFZZ	Band Selector	AP
SW201 (A~F)	QSW-S0331AFZZ	Switch, Record/Playback	AE
SW202 (A~D)	QSW-B0139AFZZ	Switch, Function Selector	AF
SW203 (A, B)	QSW-B0142AFZZ	Switch, Deck 2 Tape Selector	AF
SW204 (A~D)	QSW-B0140AFZZ	Switch, FM Mode/FM Muting	AF
SW205	QSW-B0143AFZZ	Switch, Deck 2 Record Muting	AF
SW206 (A, B)	QSW-B0142AFZZ	Switch, Loudness	AF
SW301 (A~D)	QSW-B0139AFZZ	Switch, Dubbing/Dubbing Speed Selector	AF
SW302 (A, B)	QSW-B0142AFZZ	Switch, Deck 1 Tape Selector	AF
SW401 (A~D)	QSW-B0141AFZZ	Switch, Microphone Selector	AF
SW402 (A~D)	QSW-S0309AFZZ	Switch, Input Selector	AF
SW501	QSW-K0056AFZZ	Switch, APLD Start Set/ APPS Pause Set	AC
SW502	QSW-K0056AFZZ	Switch, APLD Clear/APPS Restart	AC
SW601	QSW-S0332AFZZ	Switch, Beat Cancel	AE
SW602	QSW-B0144AFZZ	Switch, Power	AH
SW751	Not Available	Switch, AC/DC Selector, Part of SO751	AH
SW901	QSW-F0160AFZZ	Switch, Deck 1 Main	AE
SW902	QSW-F0159AFZZ	Switch, Deck 2 Main	AE
SW903	QSW-F0137AFZZ	Switch, Deck 1 Playback	AE
SW904	QSW-F0137AFZZ	Switch, Deck 2 Playback	AE
SW905	QSW-F0137AFZZ	Switch, Deck 1 APLD	AE
SW906	QSW-F0162AFZZ	Switch, Deck 1 APLD Cut	AE
SW907	QSW-F0137AFZZ	Switch, Pause	AE
	CCNCW355CAF01	Plug 3 Pin/Tips with Wire Leads	AF
	CCNCW355CAF02	Plug 3 Pin/Tips with Wire Leads	AE
	CCNCW355CAF03	Plug 3 Pin/Tips with Wire Leads	
	QCNW-1330AFZZ	Jumper, 6 Leads and 7 Leads, 120mm	

MECHANICAL PARTS

001	JKNBR0187AFSA	Button Eject	AD
002	JKNBR0188AFSA	Button, Deck 1 Play	AD
003	JKNBR0189AFSA	Button, Stop	AD
004	JKNBR0190AFSA	Button, Rewind/Review/ Reverse APLD	AD
005	JKNBR0191AFSA	Button, Cut	AD
006	JKNBR0192AFSA	Button, Fast Forward/Cue/ Forward APLD	AD
007	JKNBR0193AFSA	Button, Pause	AD
008	JKNBR0194AFSA	Button, Deck 2 Record	AD
009	JKNBR0195AFSA	Button, Deck 2 Play	AD
011	LANGF0674AFFW	Bracket, Motor Retaining	AK
012	LANGG0078AFZZ	Bracket, Sub Chassis Guide	AC
013	LANGK0250AFFW	Bracket, Button Block	AC
015	LANGT0978AFZZ	Bracket, Head Base	AB
016	LANGT1061AFZZ	Bracket, Mechanism P.W. Board Retaining	AC
017	LBSHS0001AG00	Cushion, Motor	AA
018	LCHSM0361AFZZ	Second Chassis (Deck 2)	AE
019	LCHSM0374AFZZ	Main Chassis	AU
020	LCHSM0384AFZZ	Second Chassis (Deck 1)	AE
021	LCHSS0159AFZZ	Sub Chassis	AD
022	LHLDW3056AFZZ	Wire Holder, 31mm	AA
023	LPINZ0051AFZZ	Pin, Pause Lever	AA
024	LSLVM0113AFFW	Stop Ring, Sensor Lever Retainer	AC
025	LSTWC2001AFZZ	Stop Ring, 2mm Dia.	AA
026	LSTWC4004AFZZ	Stop Ring, 4mm Dia.	AA
027	LX-HZ0056AFFD	Screw, 3mm Dia. x t10mm	AA
028	LX-HZ0077AFZZ	Screw, 2.6mm Dia. x t10mm	AA
029	LX-HZ0078AFZZ	Flange Screw, 2.6mm Dia. x t12mm	AA
030	LX-HZ0081AFZZ	Screw, 3mm Dia. x t30mm	AA
031	LX-HZ0091AFZZ	Screw, Record Conversion Lever Retaining	AB
032	LX-WZ0014AGFK	Lock Washer, 2.6mm Dia.	AA
033	LX-WZ5018AGZZ	Washer, 2.1mm Dia.	AA
034	LX-WZ5020AGZZ	Washer, 1.7mm Dia.	AA
035	LX-WZ9053AFZZ	Washer, Oil Cut	AA
036	LX-WZ9063AFZZ	Washer, 1.5mm Dia.	AA
037	LX-WZ9064AFZZ	Washer, 2mm Dia.	AA
038	LX-WZ9069AFZZ	Washer, 1.7W3.2—0.5	AA
039	LX-WZ9070AFZZ	Washer, 1.2W4—0.25	AA
040	MCAMP0054AFZZ	Cam, Pause	AB
041	MLEVF1120AFZZ	Lever, P.A.D.	AD
042	MLEVF1266AFZZ	Lever, Record Conversion	AF
044	MLEVP0216AFZZ	Lever, Record	AB
045	MLEVP0217AFZZ	Lever, Playback	AB
046	MLEVP0218AFZZ	Lever, Rewind	AB
047	MLEVP0219AFZZ	Lever, Fast Forward	AC
048	MLEVP0220AFZZ	Lever, Pause	AB
049	MLEVP0221AFZZ	Lever, P.A.D. Lock	AB
050	MLEVP0222AFZZ	Lever, Auxiliary P.A.D. Lock	AB
051	MLEVP0223AFZZ	Lever, Start	AB
052	MLEVP0332AFZZ	Lever, Cassette Eject Prevention	AC
053	MLEVP0225AFZZ	Lever, Record Prevention	AB
054	MLEVP0226AFZZ	Lever, Lock Release	AB
055	MLEVP0227AFZZ	Lever, Brake Release	AB
056	MLEVP0228AFZZ	Lever, APLD Switch (Deck 2)	AB
057	MLEVP0229AFZZ	Lever, Fast Forward/Rewind Prevention	AB
058	MLEVP0230AFZZ	Lever, Record Sensor	AB
059	MLEVP0231AFZZ	Lever, Sub Chassis Lock	AB
060	MLEVP0232AFZZ	Lever, Playback Release	AB
061	MLEVP0233AFZZ	Lever, Brake	AB
062	MLEVP0234AFZZ	Lever, Auto Stop Control	AB
063	MLEVP0235AFZZ	Lever, Sensor	AB
064	MLEVP0236AFZZ	Lever, Erase Protector	AB
065	MLEVP0237AFZZ	Lever, Record Interlocking	AD
066	MLEVP0239AFZZ	Lever, Thrust	AC
067	MLEVP0240AFZZ	Lever, Main Button Block	AB
068	MLEVP0241AFZZ	Lever, Sub Button Block	AB
069	MLEVP0277AFZZ	Lever, Cassette Eject	AC
070	MLEVP0278AFZZ	Lever, Cassette Eject Button	AC
071	MLEVP0279AFZZ	Lever, Deck 1 Playback Button	AC
072	MLEVP0280AFZZ	Lever, Stop Button	AC
073	MLEVP0281AFZZ	Lever, Rewind Button	AC
074	MLEVP0282AFZZ	Lever, Cut Button	AC
075	MLEVP0283AFZZ	Lever, Fast Forward Button	AC
076	MLEVP0284AFZZ	Lever, Pause Button	AC
077	MLEVP0286AFZZ	Lever, Deck 2 Record Button	AC
078	MLEVP0287AFZZ	Lever, Deck 2 Playback Button	AC
079	MLEVP0290AFZZ	Sitter Head	AB
080	MSPRC0229AFFJ	Spring, Pause Lever Pin	AB
081	MSPRC0230AFFJ	Spring, Head Azimuth	AB
082	MSPRC0231AFFJ	Spring, Solenoid	AB
083	MSPRC0248AFFJ	Spring, Sensor Lever	AB
084	MSPRD0312AFFJ	Spring, P.A.D. Lock Lever	AB
085	MSPRD0315AFFJ	Spring, Record Sensor Lever	AB

REF. NO.	PART NO.	DESCRIPTION	CODE
086	MSPRD0316AFFJ	Spring, Fast Forward/ Rewind Release	AB
087	MSPRD0318AFFJ	Spring, Pause Cam	AB
088	MSPRD0335AFFJ	Spring, Sub Chassis Lock	AB
089	MSPRD0348AFFJ	Spring, Pinch Roller Return	AA
090	MSPRD0349AFFJ	Spring, P.A.D. Gear	AB
091	MSPRD0359AFFJ	Spring, Pinch Roller	AB
092	MSPRD0367AFFJ	Spring, Record Conversion	AB
093	MSPRD0376AFFJ	Spring, Over Stroke	AB
094	MSPRP0283AFFJ	Plate Spring, Sub Chassis Retainer	AB
095	MSPRP0252AFFJ	Spring, Cassette Retainer	AB
096	MSPRP0269AFFJ	Plate Spring, Deck 1 Button Retainer	AB
097	MSPRT0739AFFJ	Spring, Record Prevention Lever	AB
098	MSPRT0740AFFJ	Spring, Auto Stop Control Lever	AB
099	MSPRT0741AFFJ	Spring, Brake Lever	AB
100	MSPRT0743AFFJ	Spring, Brake Release Lever	AB
101	MSPRT0744AFFJ	Spring, Cassette Lock Lever	AB
102	MSPRT0745AFFJ	Spring, Deck 1 Pause Lever	AB
103	MSPRT0746AFFJ	Spring, Playback Button Lever	AB
104	MSPRT0747AFFJ	Spring, Sub Chassis Return	AB
105	MSPRT0793AFFJ	Spring, Deck 2 Pause Lever	AB
106	MSPRT0794AFFJ	Spring, Deck 2 Playback Arm	AB
107	NBALS0006AGFJ	Steel Ball, 2mm Dia.	AA
108	NBLTH0076AFZZ	Blet, Flywheel Drive	AC
109	NBLTK0184AFZZ	Belt, Playback	AB
110	NDAIR0150AFSA	Turntable, Take-up	AG
111	NDAIR0151AFSA	Turntable, Supply	AE
112	NFLYC0090AFZZ	Flywheel Assembly	AP
113	NGERH0066AFZZ	Gear, P.A.D.	AB
114	NGERH0067AFZZ	Gear, Playback	AE
115	NGERP0052AFZZ	Gear, Playback Drive	AD
116	NIDR-0073AFZZ	Idler, Playback	AD
117	NIDR-0074AFZZ	Idler, Rewind	AB
119	NPLYR0076AFZZ	Pulley, Playback	AB
120	NROLV0017AFZZ	Roller, Fast Forward	AF
121	NROLX0014AFZZ	Roller, Rewind	AF
122	NROLY0043AFZZ	Pinch Roller	AG
123	NSFTN0008AFFW	Shaft, Playback Pulley	AB
124	NSFTT0154AFFW	Shaft, Button	AD
125	NSFTT0167AFFW	Shaft, Record Coversion Lever	AD
126	PGUMR0052AFZZ	Cushion, P.A.D. Lever	AB
127	PSPAA0055AFFW	Spacer, Motor Cushion	AB
128	QCNW-0964AFZZ	Terminal Lug with Lead	AC
129	RHEDA0090AFZZ	Erase Head	AK
130	RHEDH0102AFZZ	Record/Playback Head	AQ
131	MLEVP0343AFZZ	Lever, APLD Switch (Deck 1)	AC
132	RHEDF0069AFZZ	Playback Head	AQ
133	LANGA0091AFFW	Bracket, APLD Switch Retainer	AC
134	LBOSZ0109AFFW	Sleeve, P.W. Board Retainer	AB

MISCELLANEOUS

REF. NO.	PART NO.	DESCRIPTION	CODE
⚠201	GCAB-1113AFSB	Front Cabinet Assembly	BE
⚠202	GCAB-1114AFSA	Rear Cabinet Assembly	AX
⚠203	GCOVH1180AFSC	Cover, AC Power Supply Socket	AD
204	GFTAB1125AFSA	Battery Compartment	AE
205	GFTAC1185AFSB	Deck 1 Cassette Compartment Assembly	AK
206	GFTAC1186AFSB	Deck 2 Cassette Compartment Assembly	AK
207	GFTAC1174AFSA	Transparent Plate, Cassette Compartment	AE
208	HBDGB1057AFSA	SHARP Badge	AD
209	HDALM0357AFSB	Dial Plate Assembly	AK
210	HDECQ0156AFSA	Speaker Ring	AM
211	HINDM1521AFSB	Indication Plate, Volume (Green)	AB
	HINDM1521AFSC	Indication Plate, Volume (Blue)	AB
212	HINDM1522AFSB	Indication Plate, Volume	AB
213	HINDP0384AFSA	Mirror, Cassette Compartment	AC
⚠214	HINDP0937AFSA	Label, Specifications	AC
215	HINDP0401AFSA	Indication Plate, Input/ Output	AB
216	HPNC-0143AFSA	Punching Metal, Tweeter	AG
217	HPNC-0142AFSA	Punching Metal, Woofer	AN
218	HPNLD1205AFSA	Window, Dial	AH
219	HSSND0300AFSB	Pointer (Main)	AB
220	HSSND0301AFSB	Pointer (Sub)	AF
221	JHNDG1077AFSA	Handle	AV
222	JKNBK0256AFSA	Knob, Band Selector	AE
223	JKNBK0257AFSA	Knob, Tuning	AH
224	JKNBK0258AFSA	Knob, Fine Tuning	AG
225	JKNBM0423AFSA (Gray)	Knob, Microphone Selector/ Loudness/Deck 1·Deck 2 Tape Selector/Dubbing Dubbing Speed Selector/ Function Selector/FM Mode ·FM Muting/Deck 2 Record Muting	AC
	JKNBM0423AFSB (Green)		AC
226	JKNBP0167AFSA	Knob, Mixing Microphone Volume Control/Tone Controls (Bass and Treble)/Volume Controls (Right and Left)	AC
227	JKNBP0168AFSA	Knob, Power	AE
228	JKNBZ0222AFSA	Knob, APLD Start Set/ APPS Pause Set · APLD Clear/APPS Restart	AC
229	KCOUB0117AFZZ	Deck 2 Digital Tape Counter	AK
230	LANGF0672AFFW	Bracket, Cabinet Strengthen	AF
231	LANGF0673AFFW	Bracket, Transformer Strengthen	AD
232	LANGF0675AFFW	Bracket, External Speaker Socket	AC
234	LANGK0259AFFW	Bracket, Lever Retainer	AA
235	LANGK0272AFFW	Bracket, Input/Output P.W. Board Retaining	AB
236	LANGQ0843AFFW	Bracket, P.W. Board Retaining	AD
237	LANGQ0844AFFW	Bracket, P.W. Board Retaining	AC
238	LHLDA1057AFZZ	Holder, Antenna	AC
239	LHLDF1252AFZZ	Frame, Tuner	AG
240	LHLDF1253AFZZ	Frame, Main	AP
241	LHLDF1254AFSA	Frame, Tuner	AH
242	LHLDP1069AFSA	Holder, L.E.D. (APLD)	AC
243	LHLDP1070AFSA	Holder, L.E.D. (Level Meter)	AC
244	LHLDS1056AFZZ	Spacer, Band Selector	AC
245	LHLDS1059AFZZ	Spacer, Tuning Knob	AB
246	LHLDW1059AFZZ	Wire Holder	AA
247	LHLDW1068AFZZ	Nylon Band, 100mm	AA
248	LHLDW1072AFZZ	Wire Holder, 11.5mm Dia.	AB
249	LHLDW1075AFZZ	Nylon Band, 60mm	AA
251	LHLDW9003CEZZ	Wire Holder, 45mm	AA
252	LHLDX1058AFSA	Guide, Cassette Compartment (Left)	AB
253	LHLDX1059AFSA	Guide, Cassette Compartment (Right)	AB
254	LPLTZ0054AFZZ	Cover, Battery Compartment	AB
255	LX-BZ0345AFFF	Screw, AC Power Supply Socket Cover Retainer	AF
256	LX-BZ0332AFSA	Decoration Screw, Dial Transparent Plate	AD
257	LX-CZ0002AFZZ	Screw, Cabinet	AB
258	MLEVF1267AFZZ	Lever, Record Interlocking	AE
259	MLEVP0321AFSA	Lock Lever, Cassette Compartment	AC
260	MLIFP0011AFZZ	Damper, Cassette Compartment	AG
261	MSPRC0176AFFN	Spring, Battery Terminal	AB
262	MSPRC0256AFFJ	Spring, Battery Terminal	AC
263	MSPRC0258AFFJ	Spring, ALPD Knob	AA
264	MSPRC0265AFFJ	Spring, Record Interlocking Lever	AB
265	MSPRD0345AFFJ	Spring, Cassette Compartment	AB
266	MSPRD0438AFFJ	Spring, Cassette Compartment Guide (Right)	AA
267	MSPRD0439AFFJ	Spring, Cassette Compartment Guide (Left)	AA
268	MSPRT0765AFFJ	Spring, Cassette Compartment Lock Lever	AB
269	MSPRT0796AFFJ	Spring, Dial Stringing	AB
270	NBLTK0204AFZZ	Belt, Digital Tape Counter Drive	AB
271	NDRM-0159AFZZ	Drum	AC
272	NPLYB0050AFZZ	Pulley, Dial Stringing	AA
273	NPLYB0051AFZZ	Pulley, Dial Stringing	AA
274	LHLDW9002CEZZ	Wire Holder	AA
275	PCOVP1175AFSA	Cover, Power Switch	AB
277	PCUSU0128AFZZ	Cushion, Coil (Tuner P.W. Board)	AA
278	PCUSU0252AFZZ	Cushion, Battery Compartment	AB
280	PFLT-0127AF00	Felt, Battery Compartment	AA
281	PFLT-0339AF00	Felt, Cassette Compartment Guide	AA
282	PFLT-0484AFZZ	Felt, Tweeter	AA
283	PGUMS0213AF00	Cushion, L.E.D.	AA
284	PGUMS0207AF00	Cushion, Operation Panel	AB
285	PRDAR0275AFFW	Heat Sink	AH
286	PSLDM9102AFZZ	Shield Plate	AC
287	QANTR0123AFZZ	FM/SW Telescopic Rod Aerial	AM
288	QCNW-1433AFZZ	Wiring Lead, Telescopic Rod Aerial	AC
⚠289	QFSHD2051AFZZ	Fuse Holder	AA
290	QLUGP0109CEFW	Lug Terminal, 17mm	AA
291	QTANB0156AFFN	Terminal, Battery	AB
292	RMICC0081AFZZ	Built-in Microphone/ Tweeter Assembly	AM
296	PSPAI0195AFZZ	Insulator	AA
⚠	QPLGA0251AFZZ	Adaptor, AC Plug	AE
⚠	QACCZ0051AF00	AC Supply Cord	AH
	RTPEK0091AFZZH	Cassette Tape	AL
	SPAKA0808AFZZ	Packing Add, Left Side	AG
	SPAKA0809AFZZ	Packing Add, Right Side	AG
	SPAKC1959AFZZ	Packing Case	AP
	SPAKP0181AFZZ	Bag, Unit	AD
	SPAKX0520AFZZ	Pad, Cassette Compartment Protector	AE
	SSAKH0024AGZZ	Bag, Operation Manual	AA
	TINSZ0623AFZZ	Operation Manual	AL
	TMAPC0845AFZZ	Schematic Diagram	AB
	UBATU0009AGZZ	Battery	AC
	TLABZ0283AFZZ	Label, Deck 1	AC
	TLABZ0284AFZZ	Label, Deck 2	AC
	TLABZ0285AFZZ	Label, Woofer, R-ch	AC

SHARP SERVICE

MODEL GF-575H

Neuerungen :

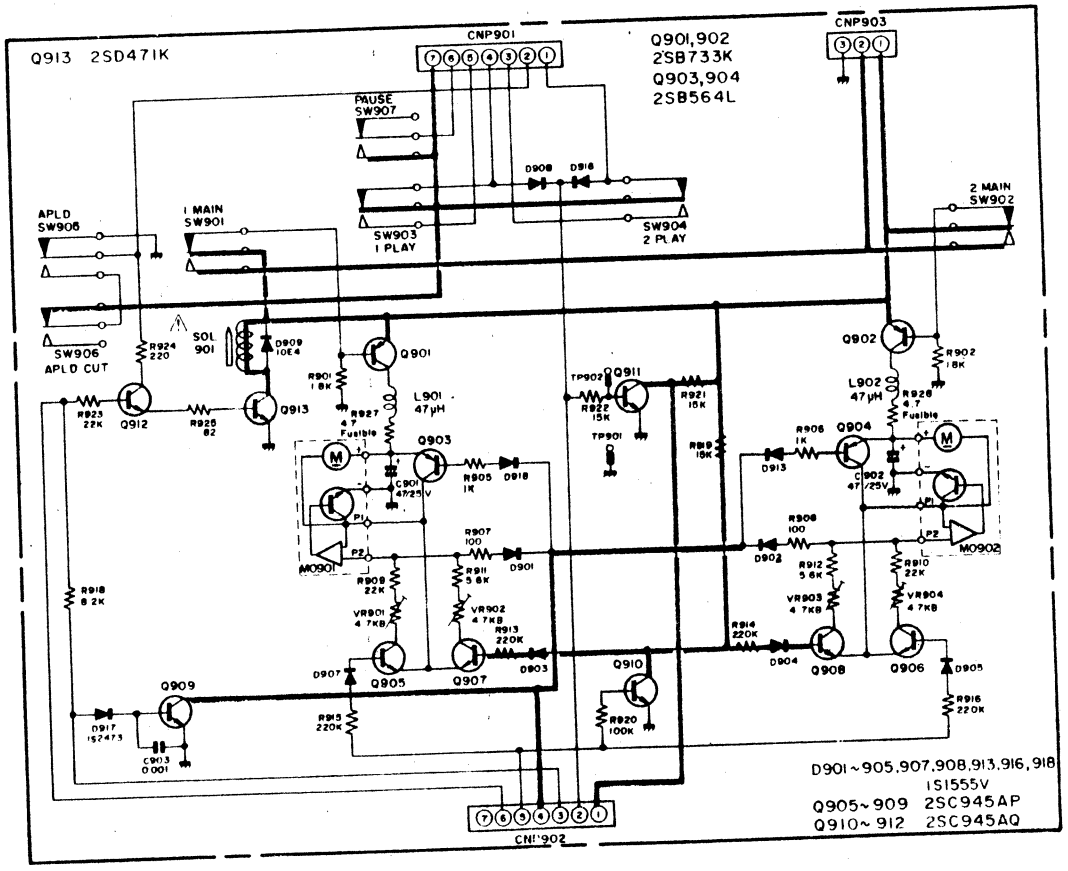
- PAD Mechanik
- Double Speed kopieren
- APFS
- APLD
- Dolby

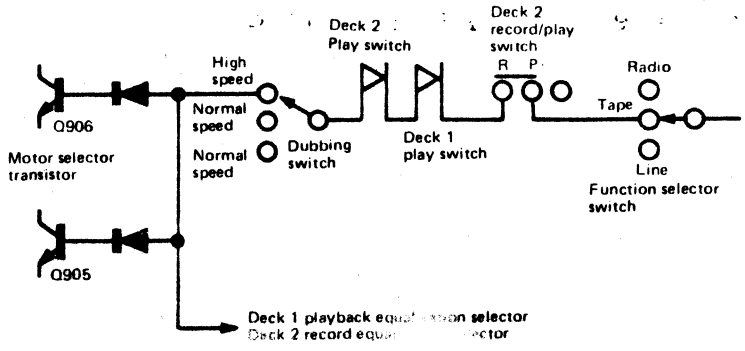
SHARP **SERVICE**

MODEL

GF 575

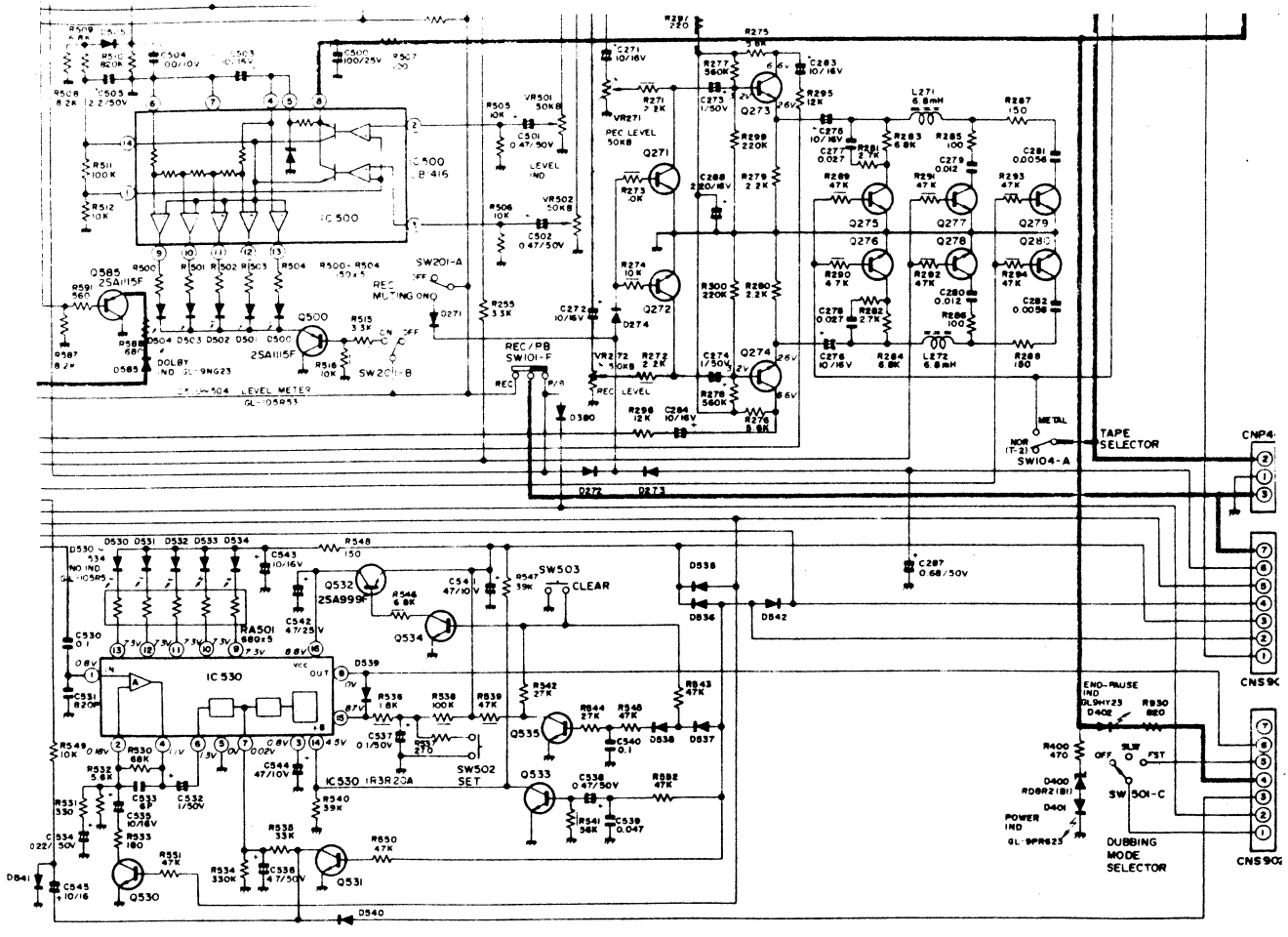
- Play - APFS - Rec - DS Dupping -





SHARP **SERVIC**

MODEL

GF 575

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